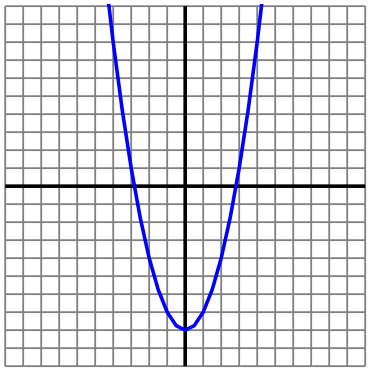
Identify Linear Functions (Graphs)

Name:

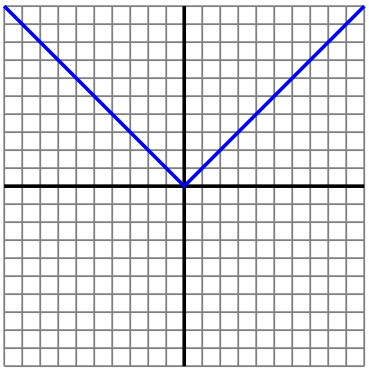
Determine if the graph shown represents a linear function (yes) or not (no).

1)



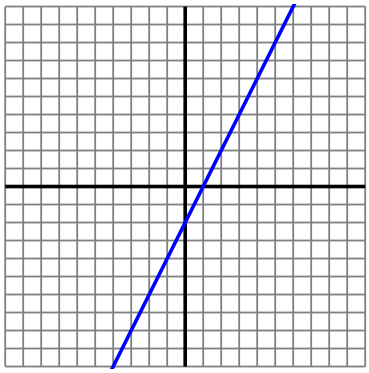
$Y=X^2-8$

2)



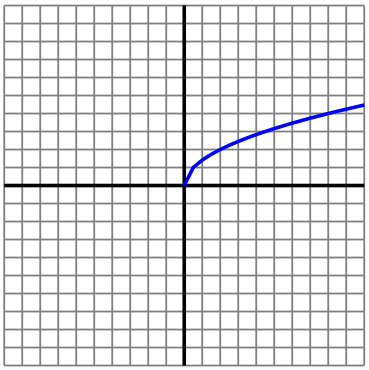
$Y=\sqrt{X^2}$

3)



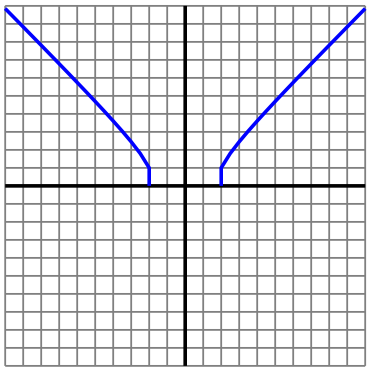
$Y=3\times X-(X+2)$

4)



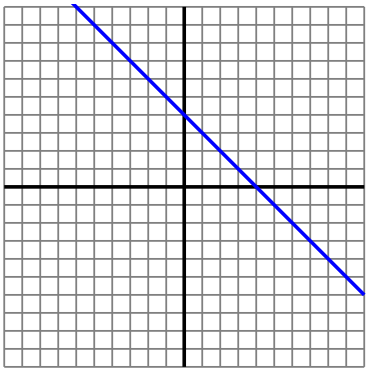
$Y=\sqrt{X\times 2}$

5)



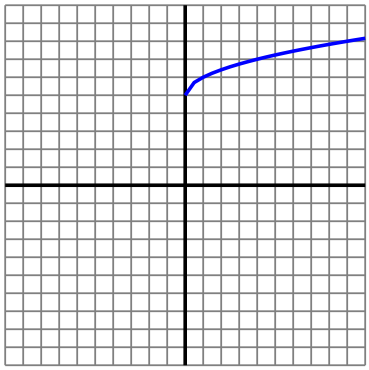
$Y=\sqrt{X^2-3}$

6)



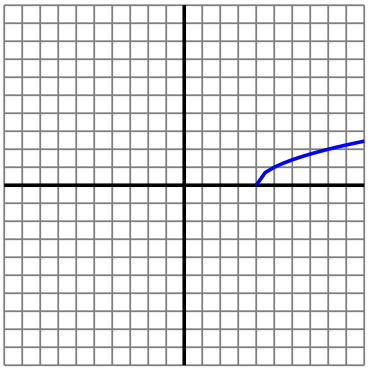
$Y=-X+4$

7)



$Y=\sqrt{X}+5$

8)



$Y=\sqrt{X-4}$

Answers

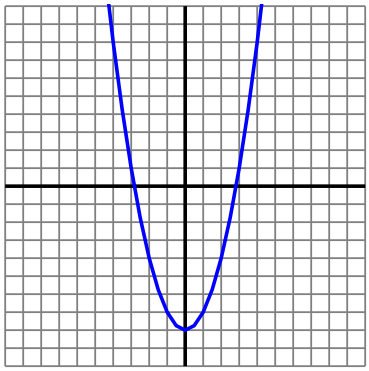
1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____

1-8	88	75	63	50	38	25	13	0

Identify Linear Functions (Graphs) Name: **Answer Key**

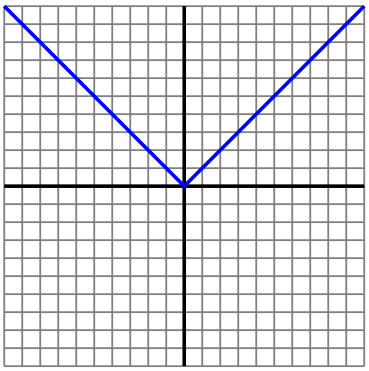
Determine if the graph shown represents a linear function (yes) or not (no).

1)



$Y=X^2-8$

2)



$Y=\sqrt{X^2}$

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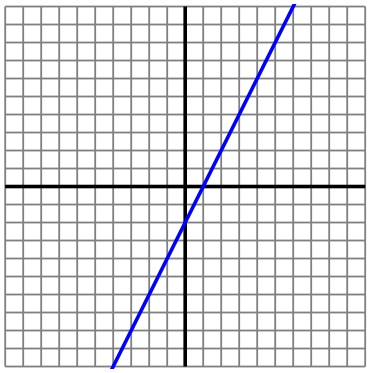

$Y=3\times X-(X+2)$

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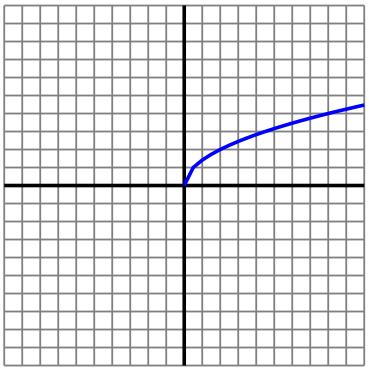
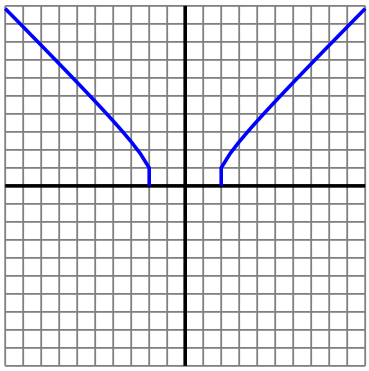


$Y=\sqrt{X\times 2}$

5)



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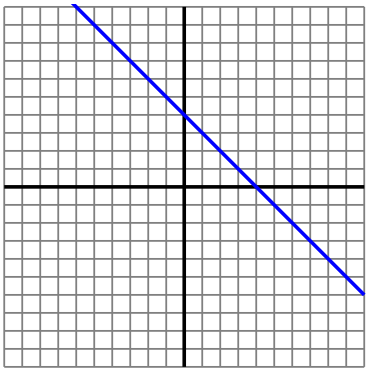
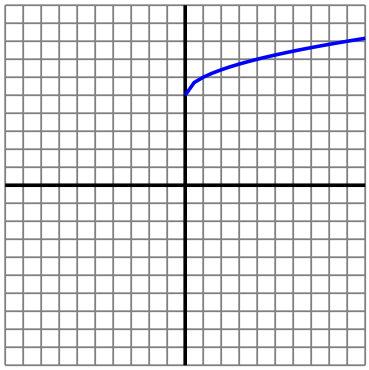


$Y=-X+4$

7)



$Y=\sqrt{X}+5$

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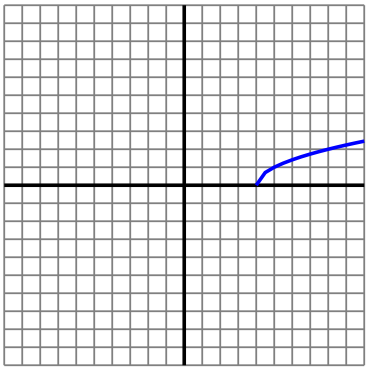


$Y=\sqrt{X-4}$

Answers

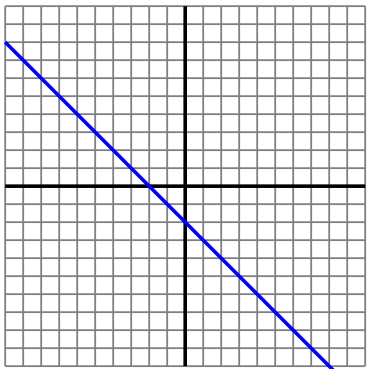
1. no
2. no
3. yes
4. no
5. no
6. yes
7. no
8. no

1-8	88	75	63	50	38	25	13	0

Identify Linear Functions (Graphs) Name:

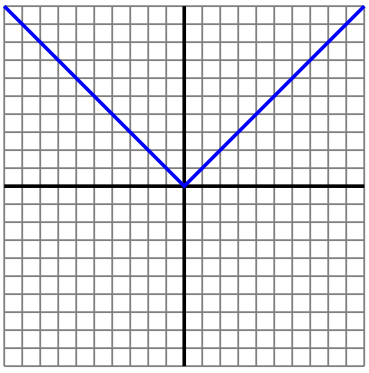
Determine if the graph shown represents a linear function (yes) or not (no).

1)



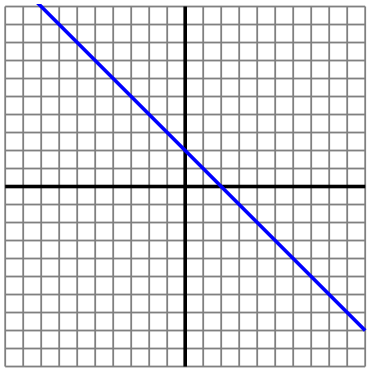
Y=-X-2

2)



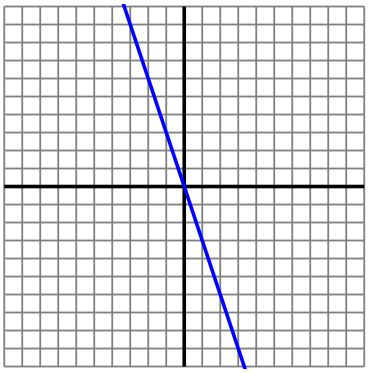
Y= $\sqrt{X^2}$

3)



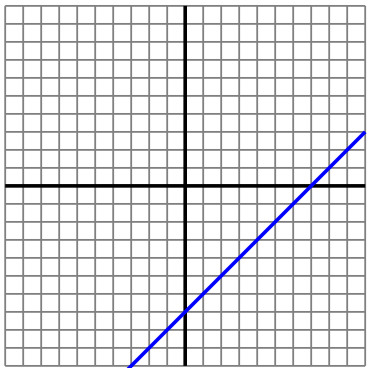
Y=-X+2

4)



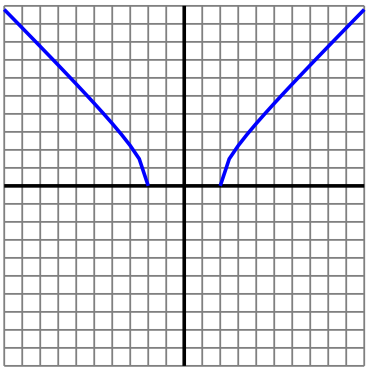
Y=-X×3

5)



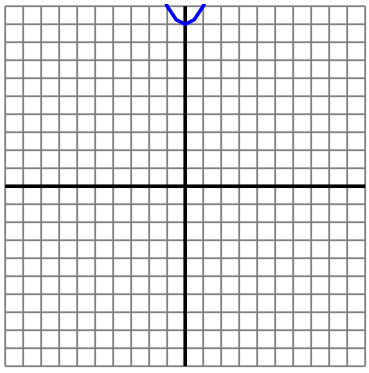
Y=2×X-(X+7)

6)



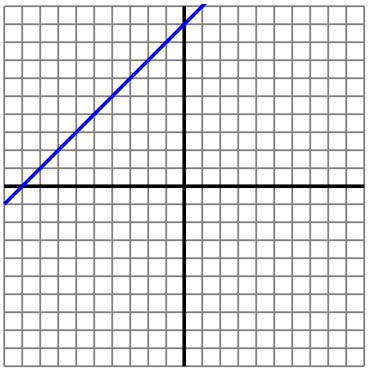
Y= $\sqrt{X^2-4}$

7)



Y=X^2+9

8)



Y=9+X

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
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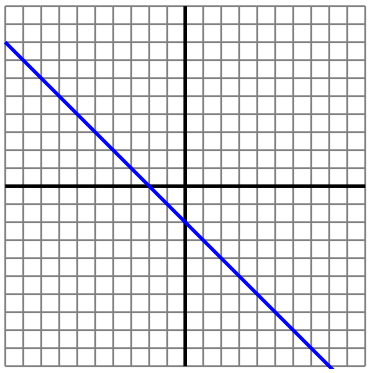
8. _____

1-8	88	75	63	50	38	25	13	0

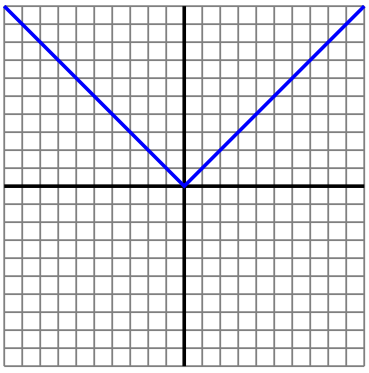
Determine if the graph shown represents a linear function (yes) or not (no).

1)



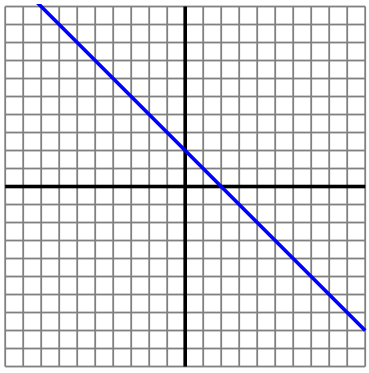
Y=-X-2

2)



Y= $\sqrt{X^2}$

3)



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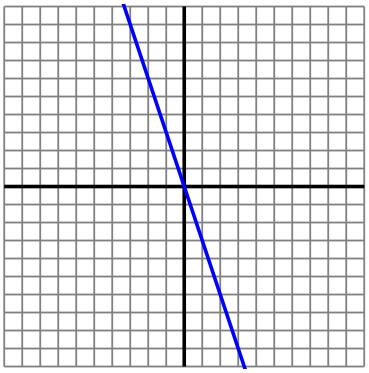

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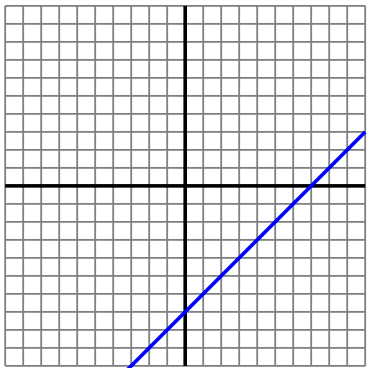

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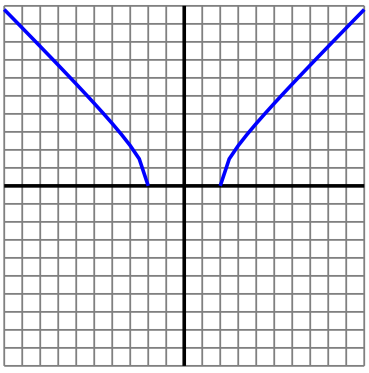

Y= $\sqrt{X^2-4}$

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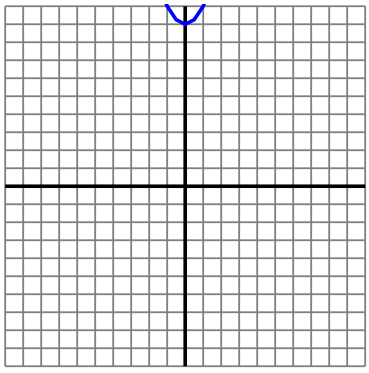

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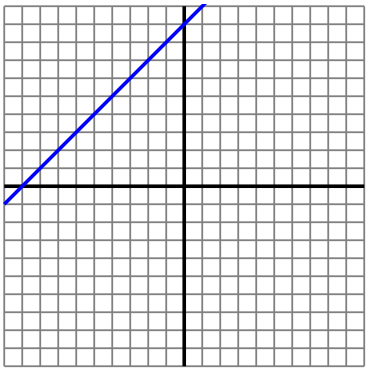


Y=9+X

Answers

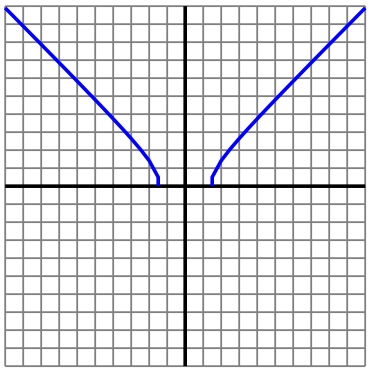
1. yes
2. no
3. yes
4. yes
5. yes
6. no
7. no
8. yes

1-8	88	75	63	50	38	25	13	0

Identify Linear Functions (Graphs) Name:

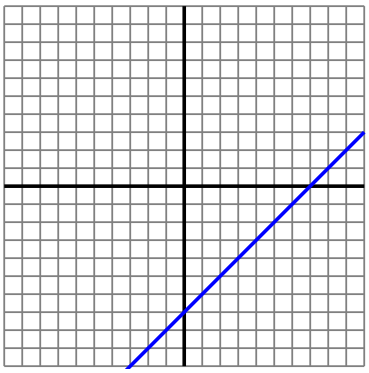
Determine if the graph shown represents a linear function (yes) or not (no).

1)



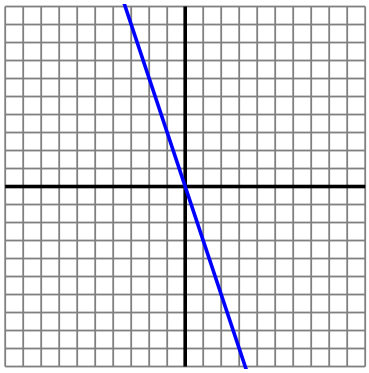
$Y= \sqrt{X^2-2}$

2)



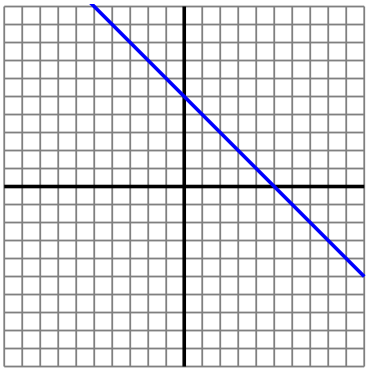
Y=X-7

3)



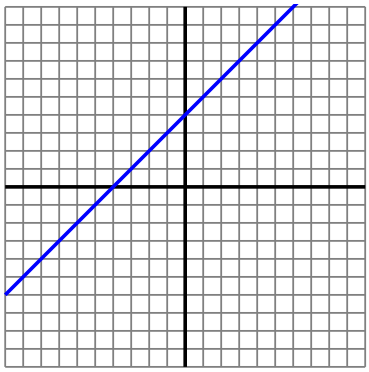
Y=-X×3

4)



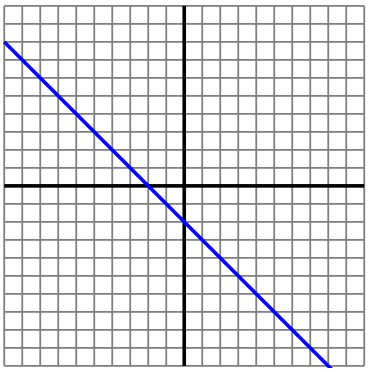
Y=-X+5

5)



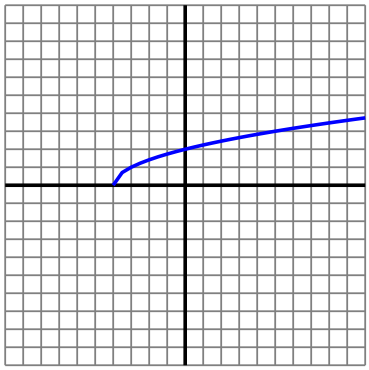
Y=X+4

6)



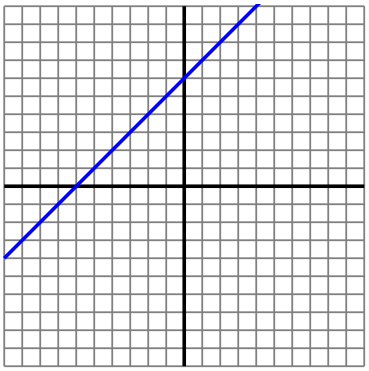
Y=-X-2

7)



$Y=\sqrt{X+4}$

8)



Y=6+X

Answers

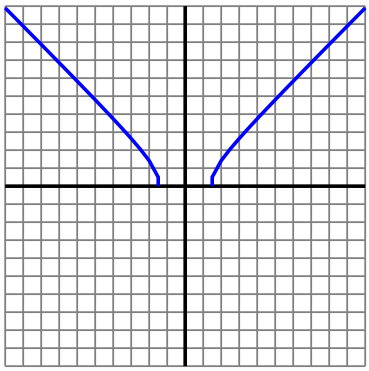
1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____

1-8	88	75	63	50	38	25	13	0

Identify Linear Functions (Graphs) Name: **Answer Key**

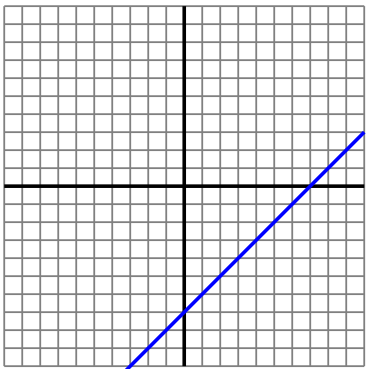
Determine if the graph shown represents a linear function (yes) or not (no).

1)



$Y= \sqrt{X^2-2}$

2)



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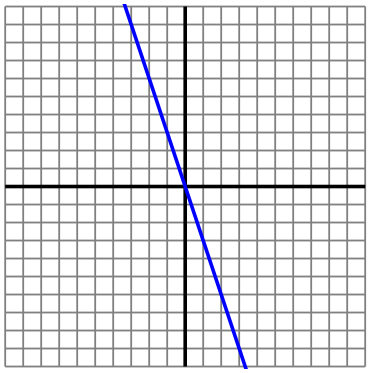
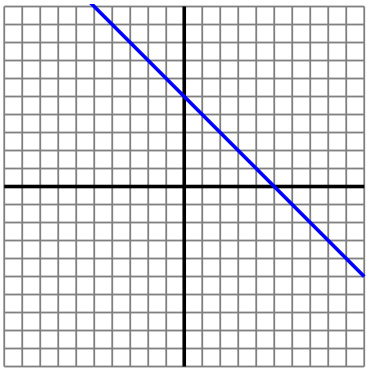


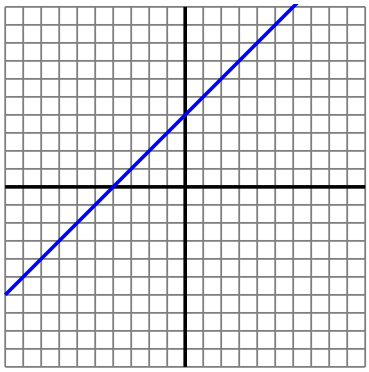
Y=-X×3

4)



Y=-X+5

5)



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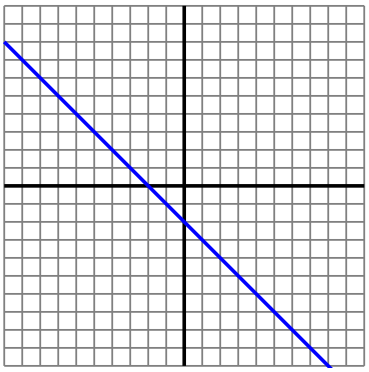
6)



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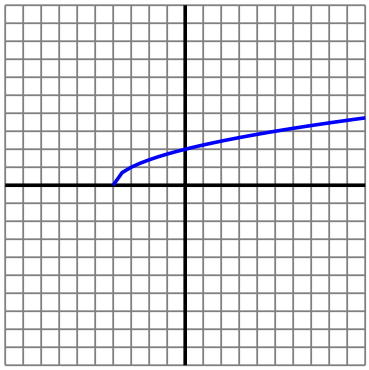

$Y=\sqrt{X+4}$

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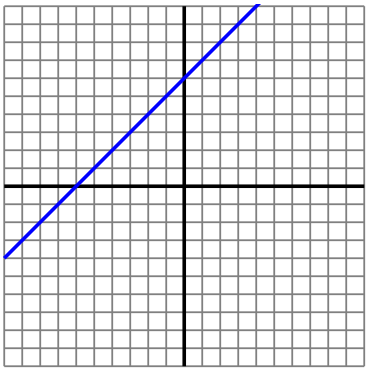


Y=6+X

Answers

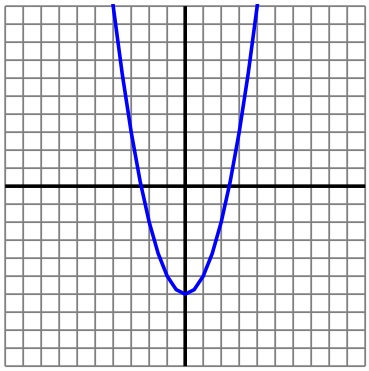
1. no
2. yes
3. yes
4. yes
5. yes
6. yes
7. no
8. yes

1-8	88	75	63	50	38	25	13	0

Identify Linear Functions (Graphs) Name:

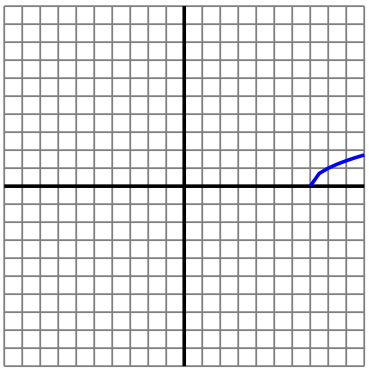
Determine if the graph shown represents a linear function (yes) or not (no).

1)



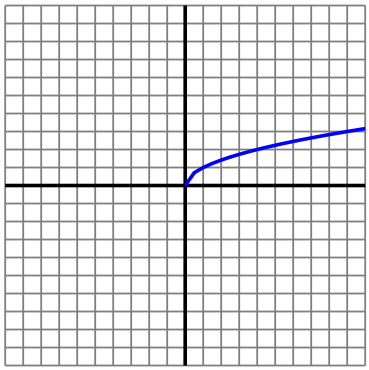
$Y=X^2-6$

2)



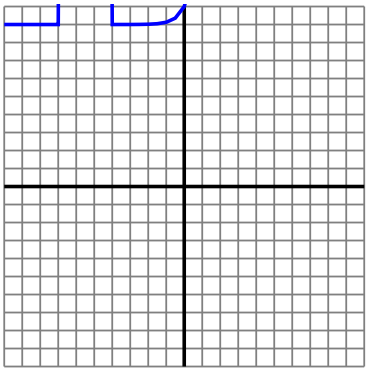
$Y=\sqrt{X-7}$

3)



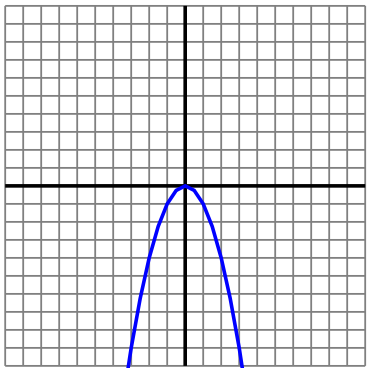
$Y=\sqrt{X}$

4)



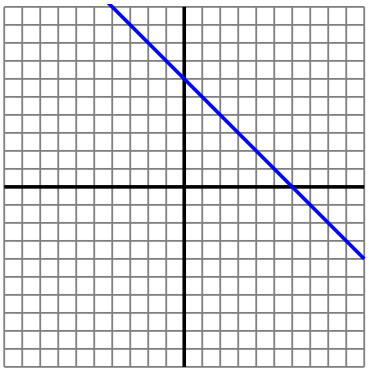
$Y=8^X+9$

5)



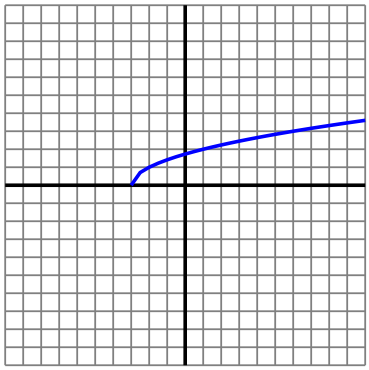
$Y=-X^2$

6)



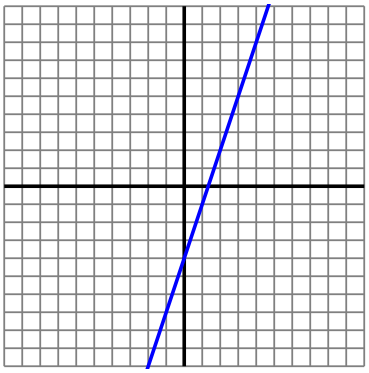
$Y=-X+6$

7)



$Y=\sqrt{X+3}$

8)



$Y=4\times X-(X+4)$

Answers

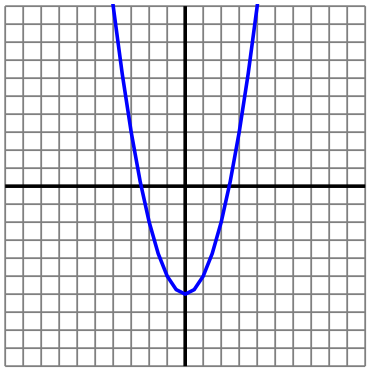
1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____

1-8	88	75	63	50	38	25	13	0

Identify Linear Functions (Graphs) Name: **Answer Key**

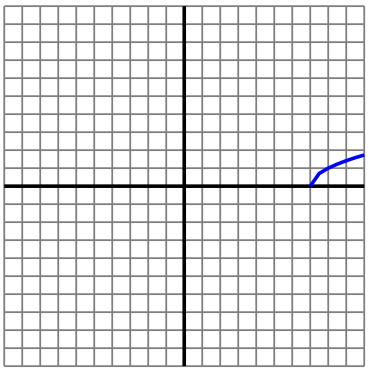
Determine if the graph shown represents a linear function (yes) or not (no).

1)



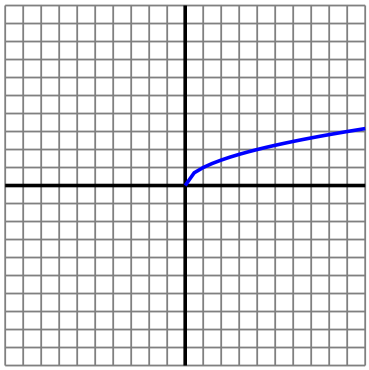
$Y=X^2-6$

2)



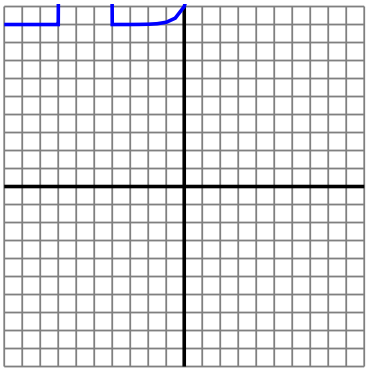
$Y=\sqrt{X-7}$

3)



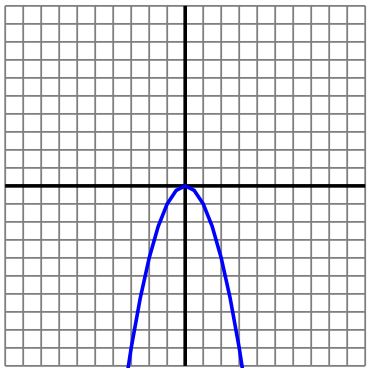
$Y=\sqrt{X}$

4)



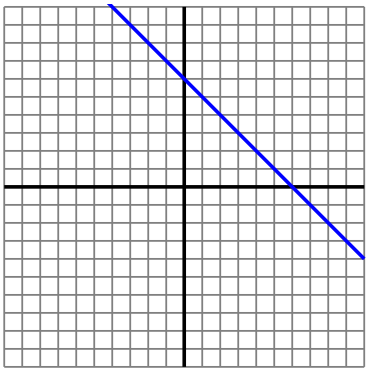
$Y=8^X+9$

5)



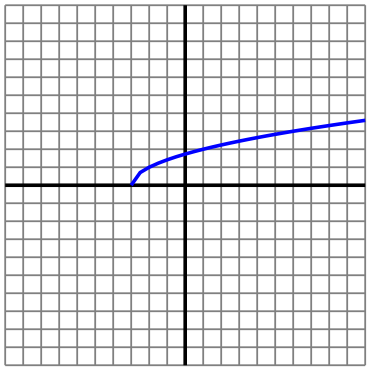
$Y=-X^2$

6)



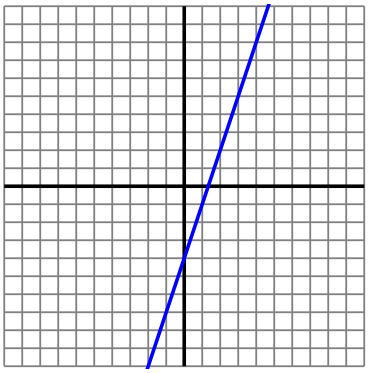
$Y=-X+6$

7)



$Y=\sqrt{X+3}$

8)



$Y=4\times X-(X+4)$

Answers

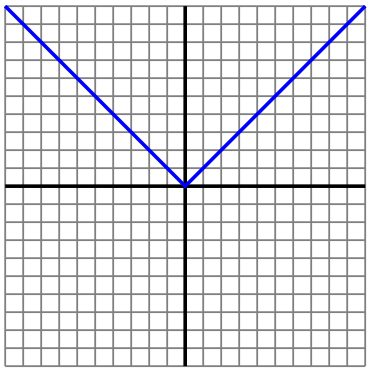
1. no
2. no
3. no
4. no
5. no
6. yes
7. no
8. yes

1-8	88	75	63	50	38	25	13	0

Identify Linear Functions (Graphs) Name:

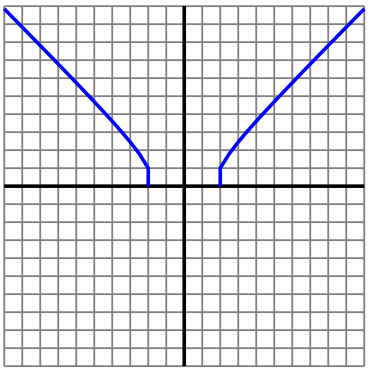
Determine if the graph shown represents a linear function (yes) or not (no).

1)



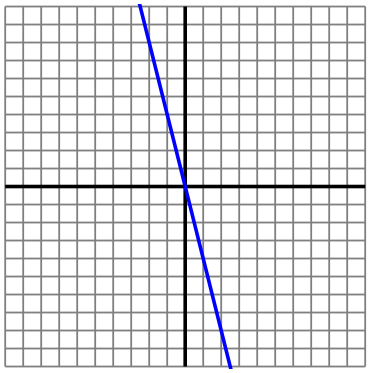
$Y= \sqrt{X^2}$

2)



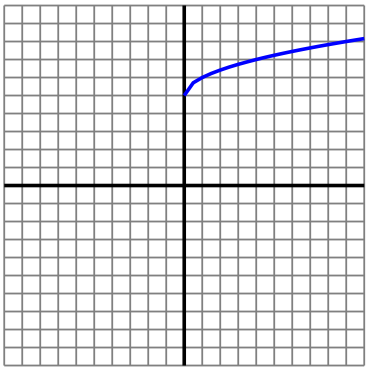
$Y= \sqrt{X^2-3}$

3)



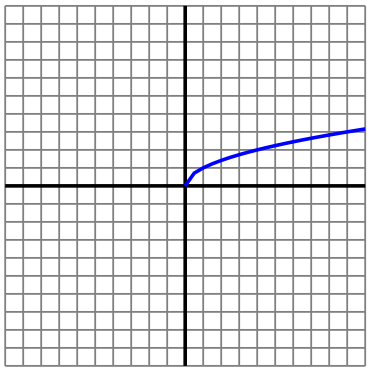
$Y=-X\times4$

4)



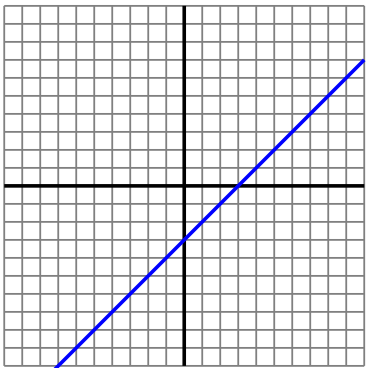
$Y=\sqrt{X}+5$

5)



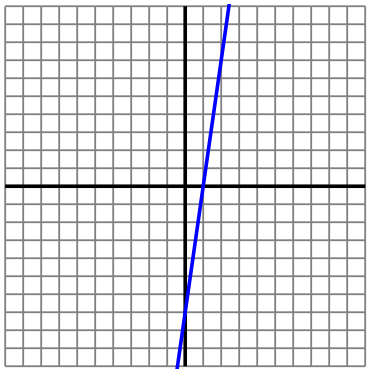
$Y=\sqrt{X}$

6)



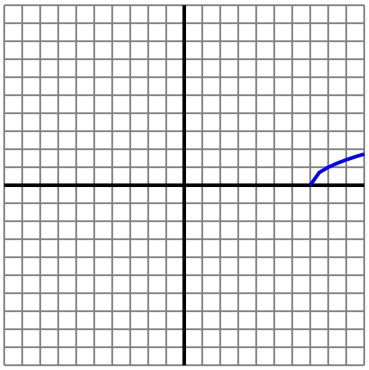
$Y=X-3$

7)



$Y=8\times X-(X+7)$

8)



$Y=\sqrt{X-7}$

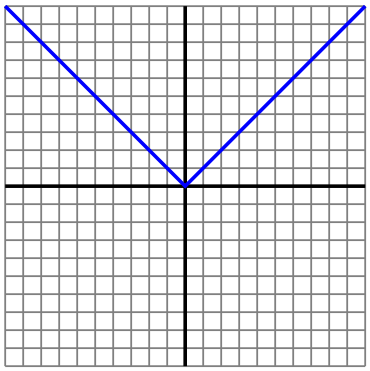
Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____

1-8	88	75	63	50	38	25	13	0

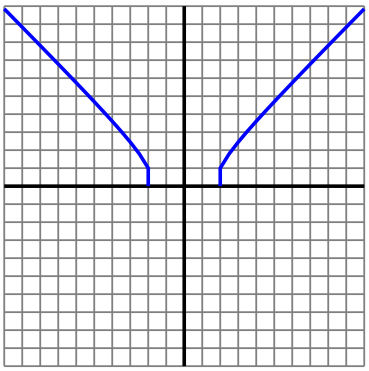
Determine if the graph shown represents a linear function (yes) or not (no).

1)



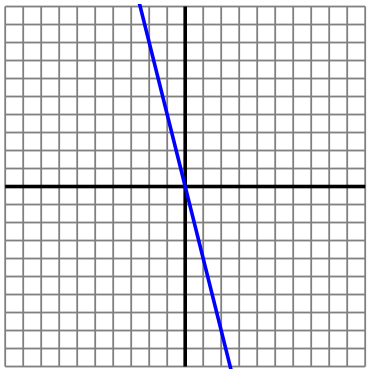
$Y = \sqrt{X^2}$

2)



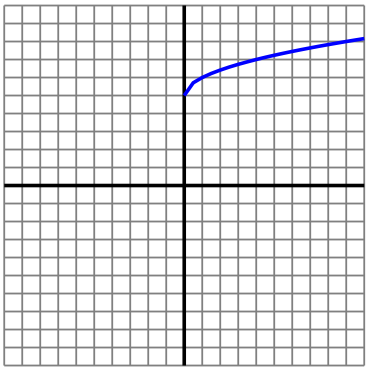
$Y = \sqrt{X^2 - 3}$

3)



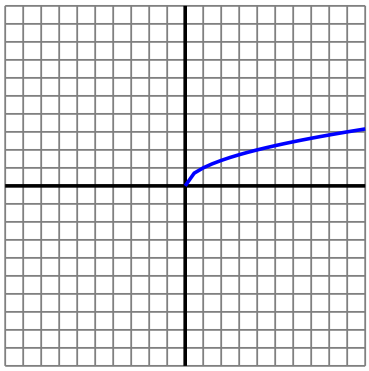
$Y = -X \times 4$

4)



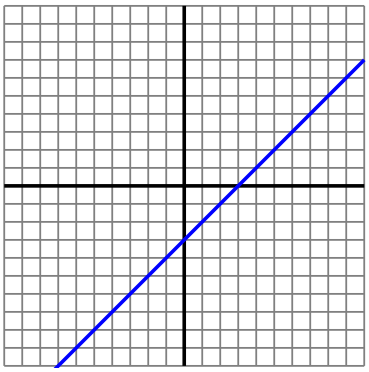
$Y = \sqrt{X} + 5$

5)



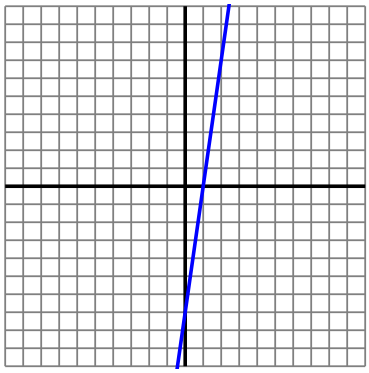
$Y = \sqrt{X}$

6)



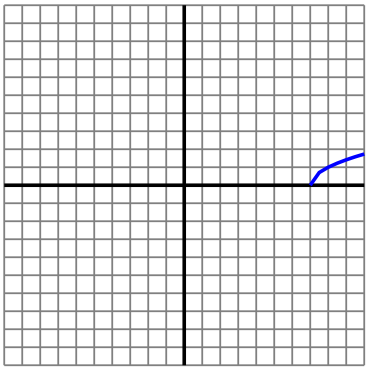
$Y = X - 3$

7)



$Y = 8 \times X - (X + 7)$

8)



$Y = \sqrt{X - 7}$

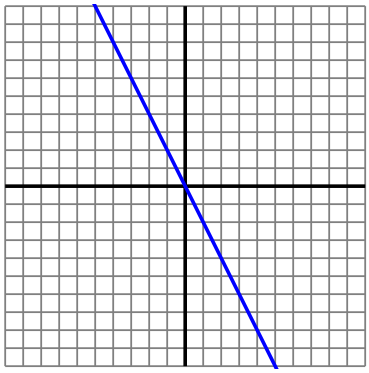
Answers

1. no
2. no
3. yes
4. no
5. no
6. yes
7. yes
8. no

1-8	88	75	63	50	38	25	13	0

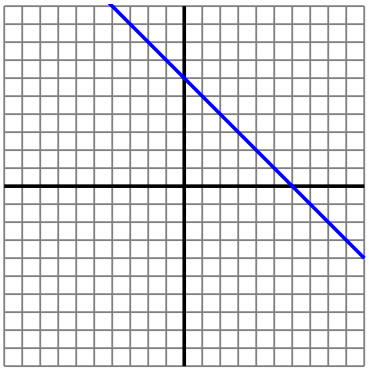
Determine if the graph shown represents a linear function (yes) or not (no).

1)



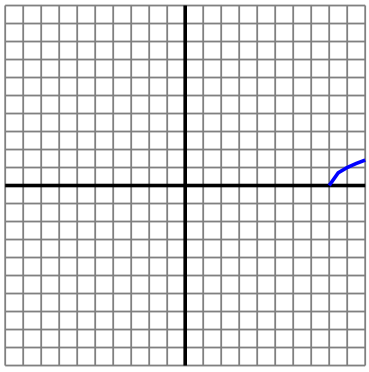
$Y=-X\times2$

2)



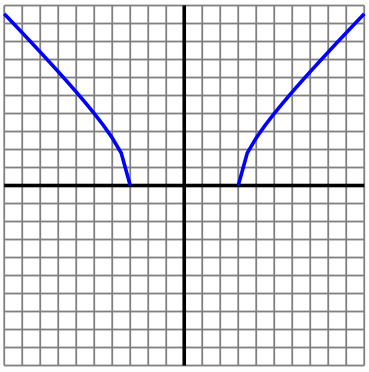
$Y=-X+6$

3)



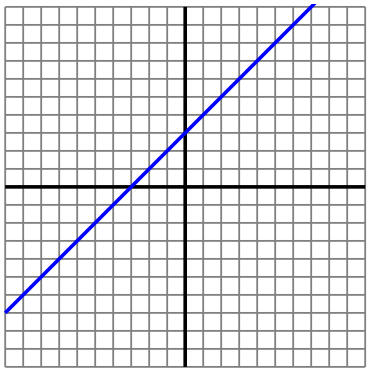
$Y=\sqrt{X-8}$

4)



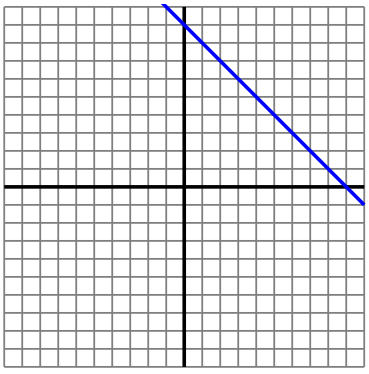
$Y=\sqrt{X^2-9}$

5)



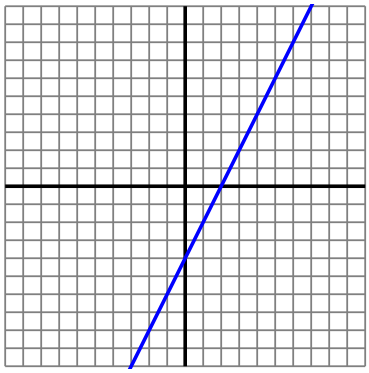
$Y=3+X$

6)



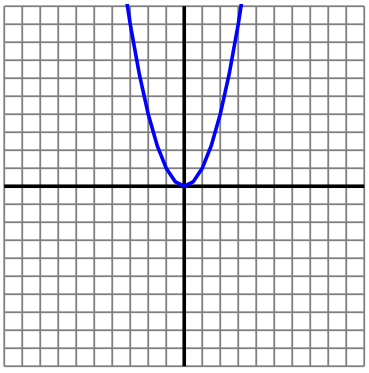
$Y=9-X$

7)



$Y=3\times X-(X+4)$

8)



$Y=X^2$

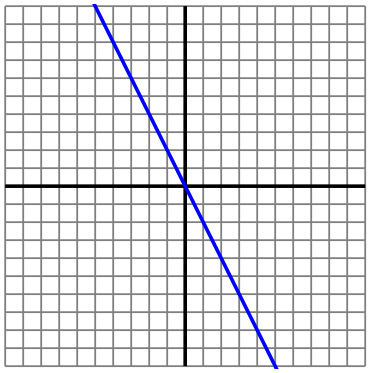
Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____

1-8	88	75	63	50	38	25	13	0

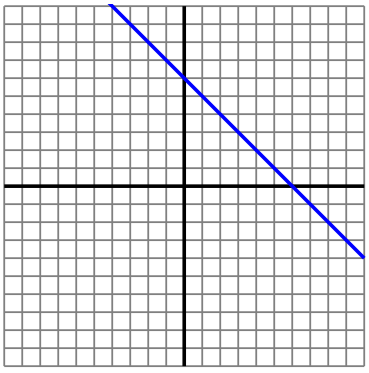
Determine if the graph shown represents a linear function (yes) or not (no).

1)



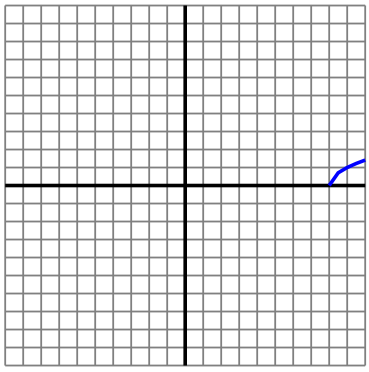
$Y=-X\times2$

2)



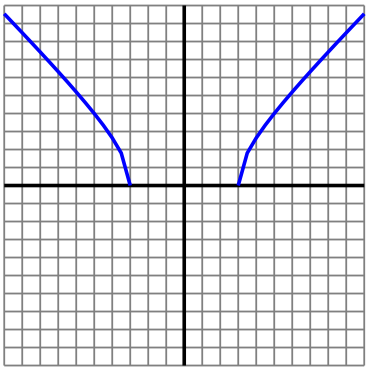
$Y=-X+6$

3)



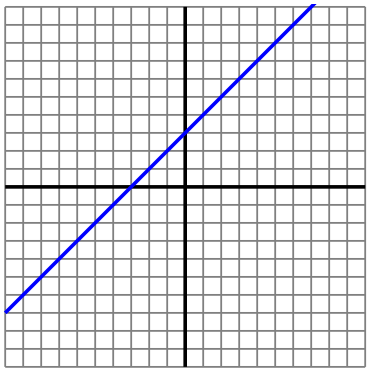
$Y=\sqrt{X-8}$

4)



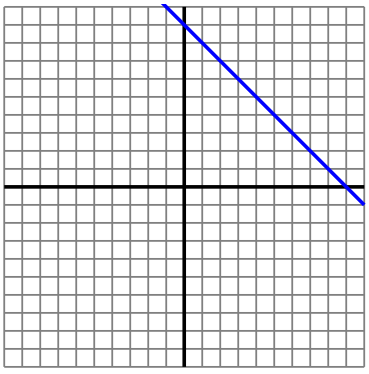
$Y=\sqrt{X^2-9}$

5)



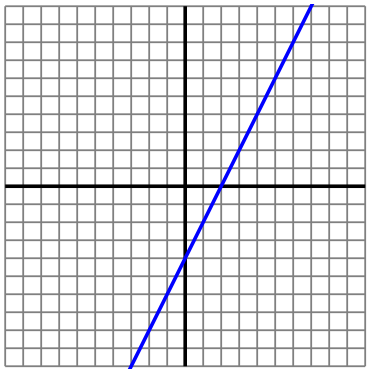
$Y=3+X$

6)



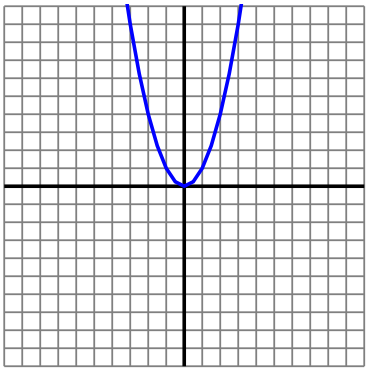
$Y=9-X$

7)



$Y=3\times X-(X+4)$

8)



$Y=X^2$

Answers

1. yes
2. yes
3. no
4. no
5. yes
6. yes
7. yes
8. no

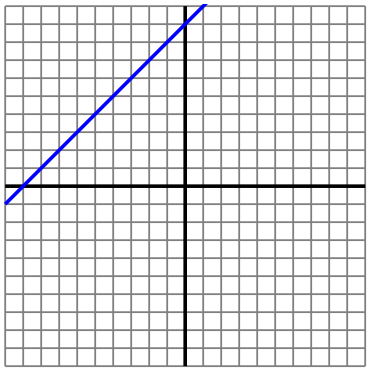
1-8	88	75	63	50	38	25	13	0

Identify Linear Functions (Graphs)

Name:

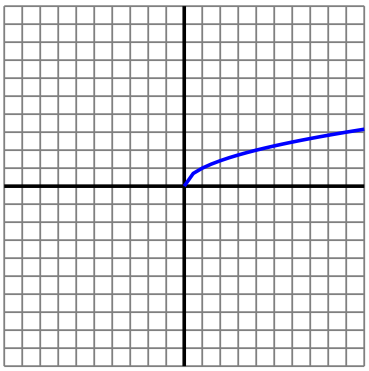
Determine if the graph shown represents a linear function (yes) or not (no).

1)



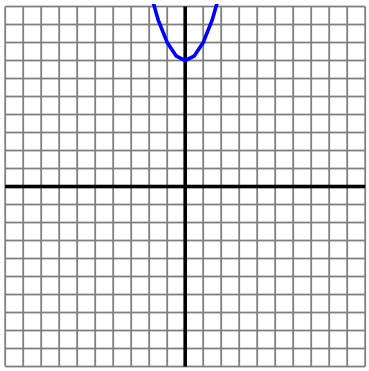
$Y=9+X$

2)



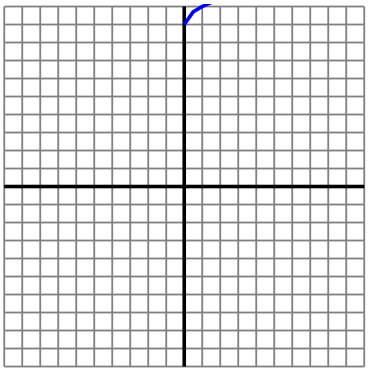
$Y=\sqrt{X}$

3)



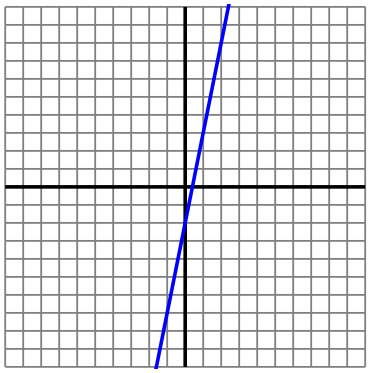
$Y=X^2+7$

4)



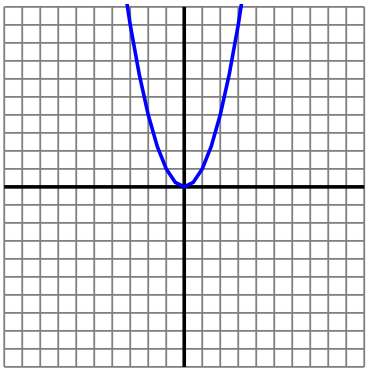
$Y=\sqrt{X}+9$

5)



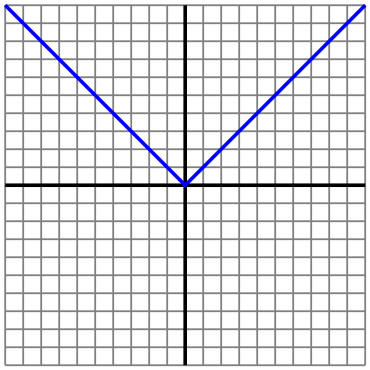
$Y=6\times X-(X+2)$

6)



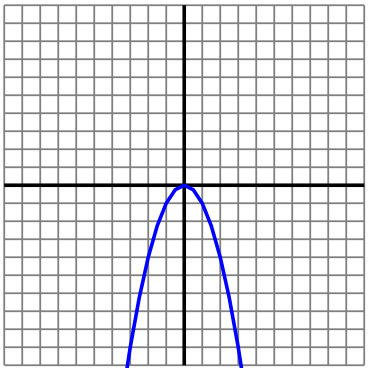
$Y=X^2$

7)



$Y=\sqrt{X^2}$

8)



$Y=-X^2$

Answers

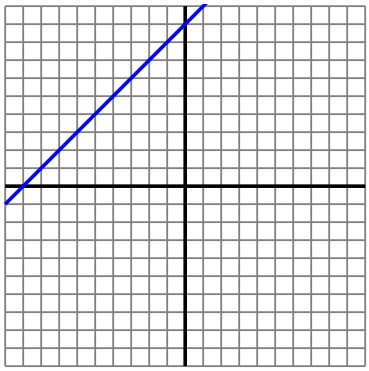
1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____

1-8	88	75	63	50	38	25	13	0

Identify Linear Functions (Graphs) Name: **Answer Key**

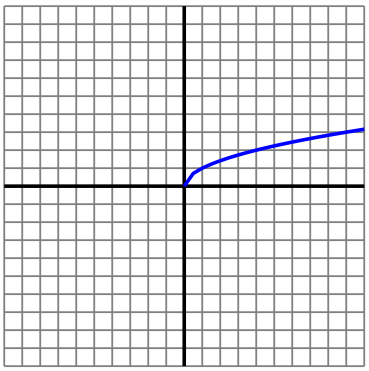
Determine if the graph shown represents a linear function (yes) or not (no).

1)



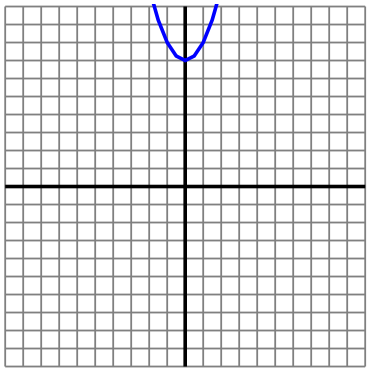
$Y=9+X$

2)



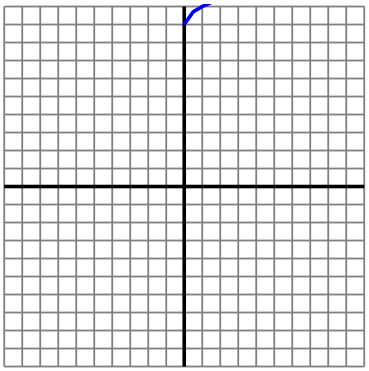
$Y=\sqrt{X}$

3)



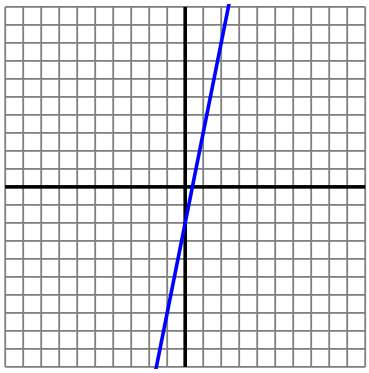
$Y=X^2+7$

4)



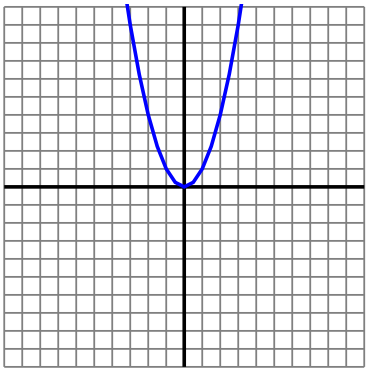
$Y=\sqrt{X}+9$

5)



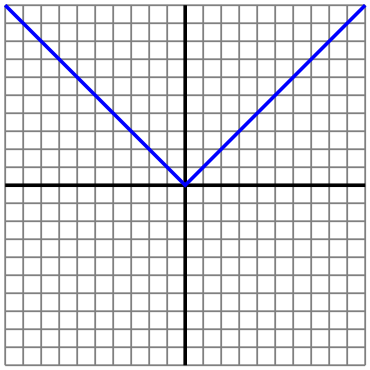
$Y=6\times X-(X+2)$

6)



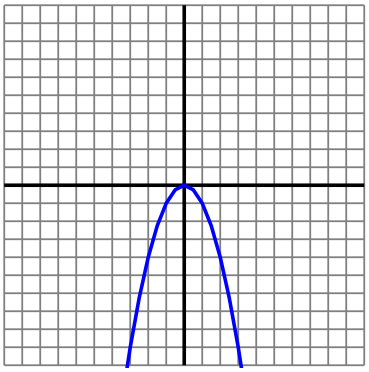
$Y=X^2$

7)



$Y=\sqrt{X^2}$

8)



$Y=-X^2$

Answers

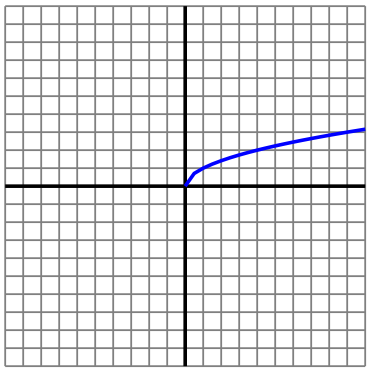
1. yes
2. no
3. no
4. no
5. yes
6. no
7. no
8. no

1-8	88	75	63	50	38	25	13	0

Identify Linear Functions (Graphs) Name:

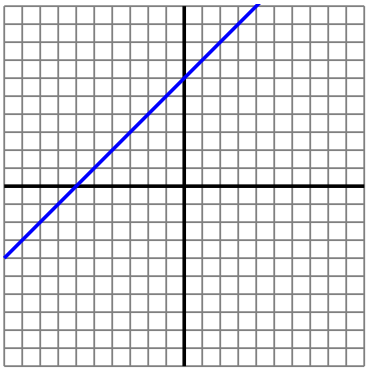
Determine if the graph shown represents a linear function (yes) or not (no).

1)



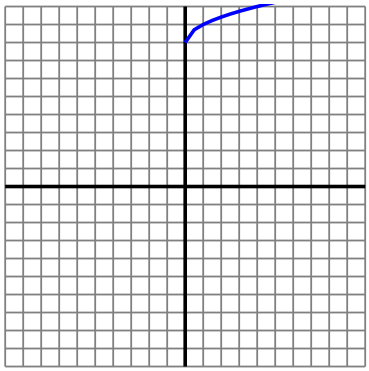
$Y=\sqrt{X}$

2)



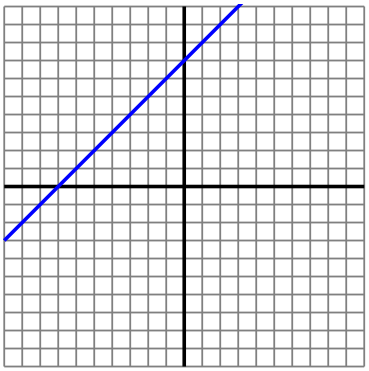
Y=6+X

3)



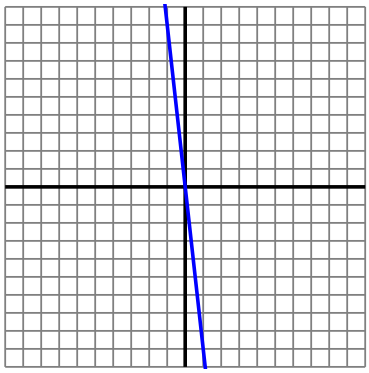
$Y=\sqrt{X}+8$

4)



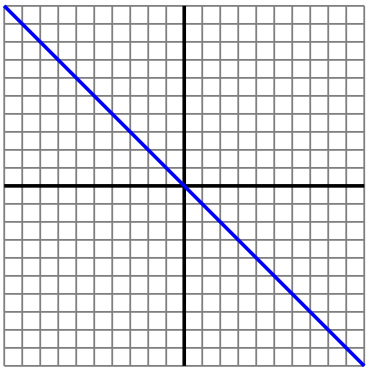
Y=X+7

5)



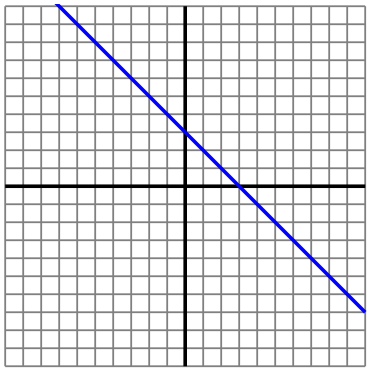
Y=-X×9

6)



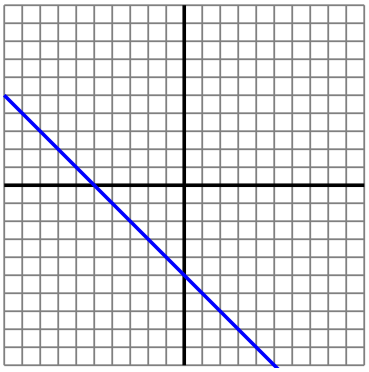
Y=-X

7)



Y=-X+3

8)



Y=-X-5

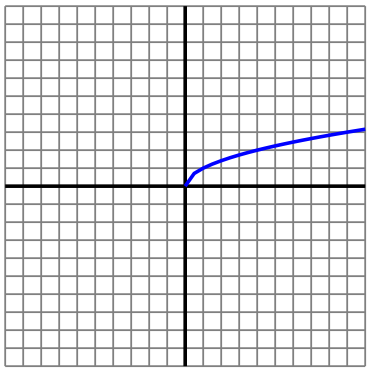
Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____

1-8	88	75	63	50	38	25	13	0

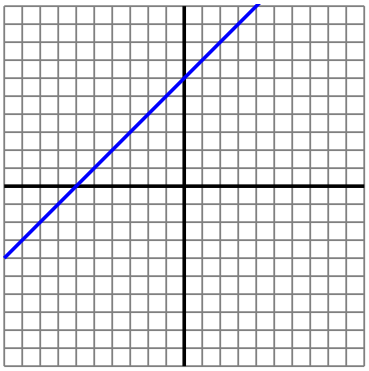
Determine if the graph shown represents a linear function (yes) or not (no).

1)



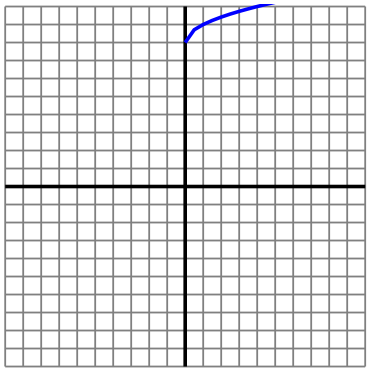
$Y=\sqrt{X}$

2)



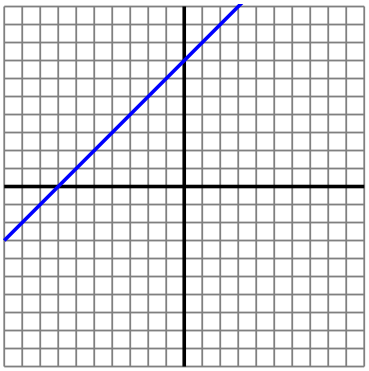
Y=6+X

3)



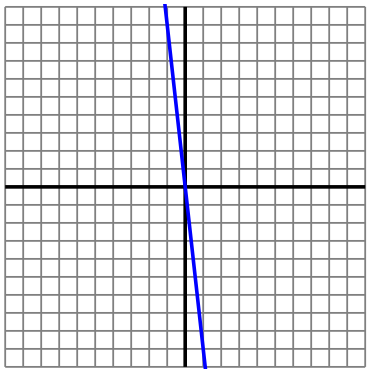
$Y=\sqrt{X}+8$

4)



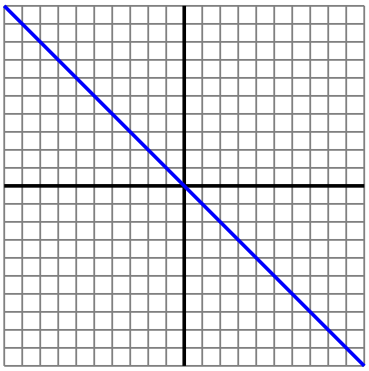
Y=X+7

5)



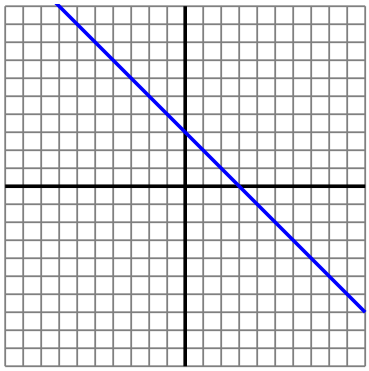
Y=-X×9

6)



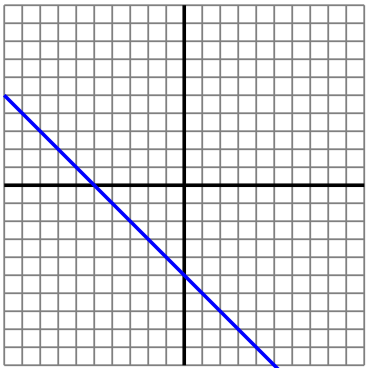
Y=-X

7)



Y=-X+3

8)



Y=-X-5

Answers

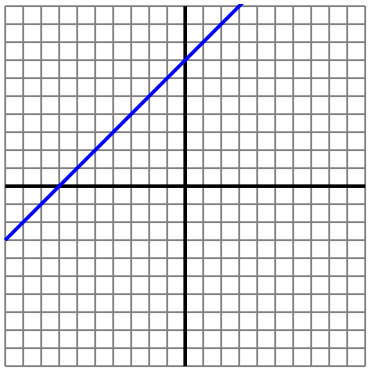
1. no
2. yes
3. no
4. yes
5. yes
6. yes
7. yes
8. yes

1-8	88	75	63	50	38	25	13	0

Identify Linear Functions (Graphs) Name:

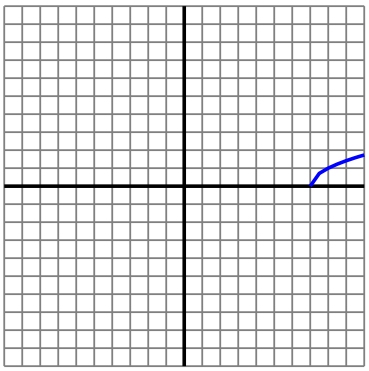
Determine if the graph shown represents a linear function (yes) or not (no).

1)



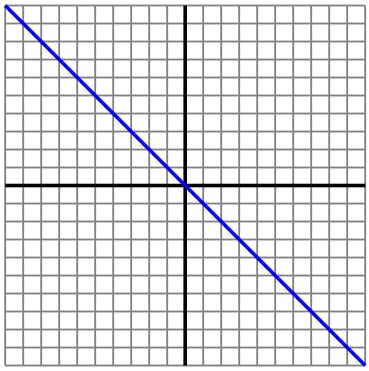
$Y=7+X$

2)



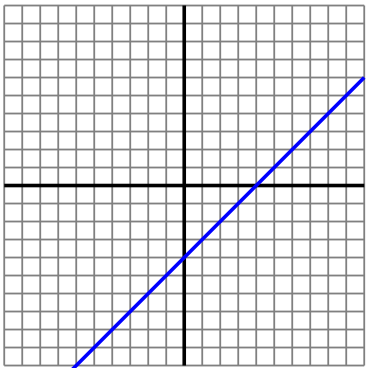
$Y=\sqrt{X-7}$

3)



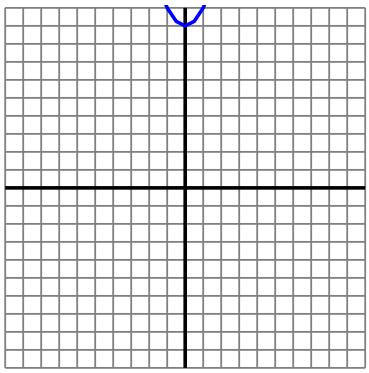
$Y=-X$

4)



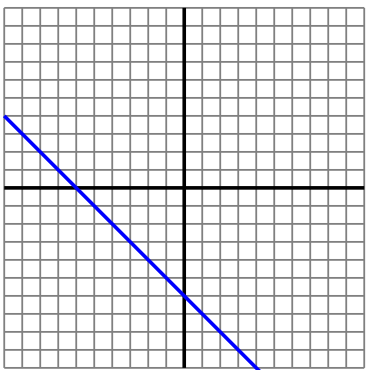
$Y=X-4$

5)



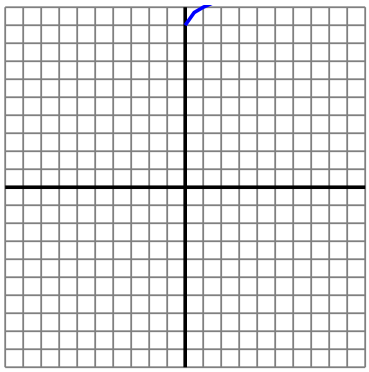
$Y=X^2+9$

6)



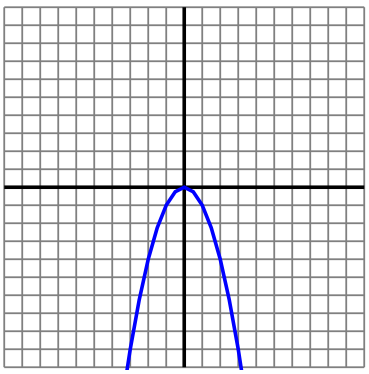
$Y=-X-6$

7)



$Y=\sqrt{X}+9$

8)



$Y=-X^2$

Answers

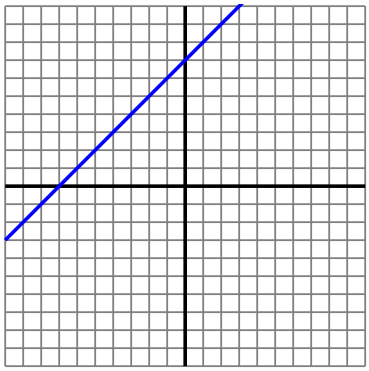
1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____

1-8	88	75	63	50	38	25	13	0

Identify Linear Functions (Graphs) Name: **Answer Key**

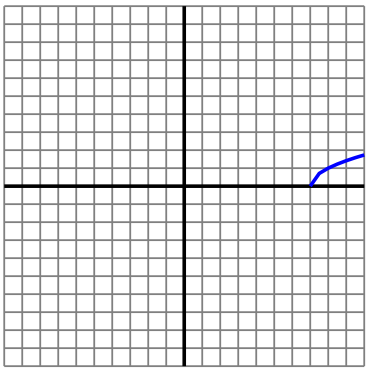
Determine if the graph shown represents a linear function (yes) or not (no).

1)



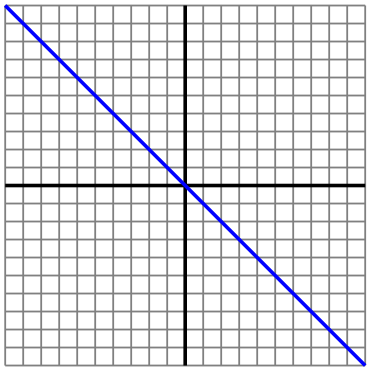
Y=7+X

2)



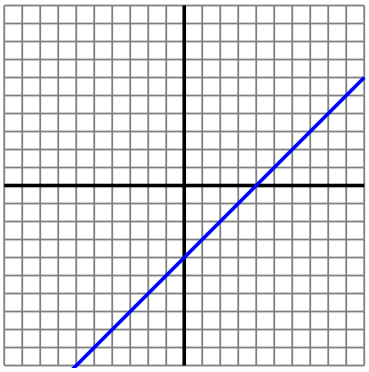
$Y=\sqrt{X-7}$

3)



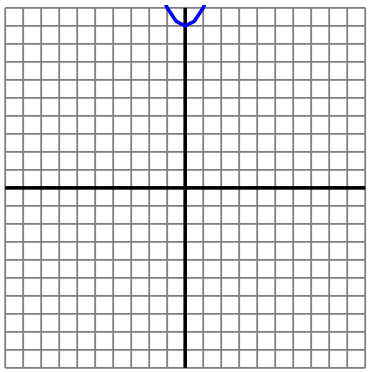
Y=-X

4)



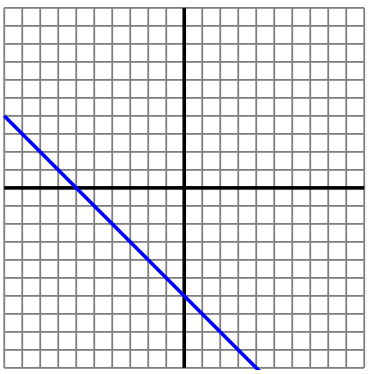
Y=X-4

5)



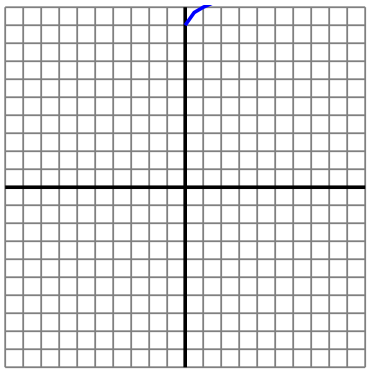
$Y=X^2+9$

6)



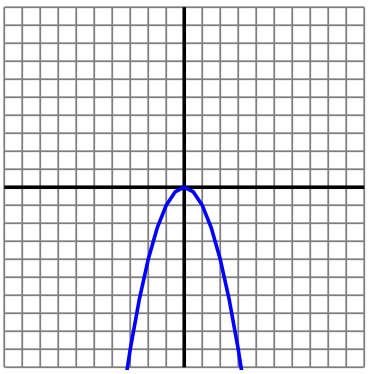
Y=-X-6

7)



$Y=\sqrt{X}+9$

8)



$Y=-X^2$

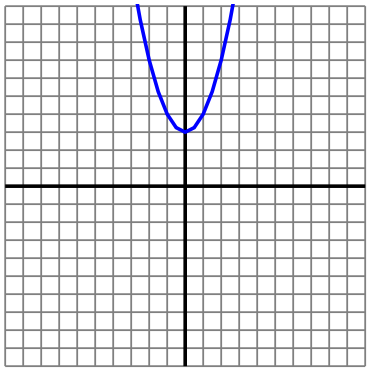
Answers

1. yes
2. no
3. yes
4. yes
5. no
6. yes
7. no
8. no

1-8	88	75	63	50	38	25	13	0

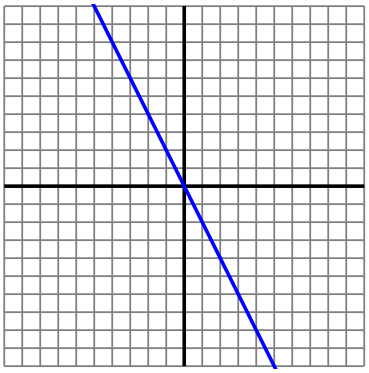
Determine if the graph shown represents a linear function (yes) or not (no).

1)



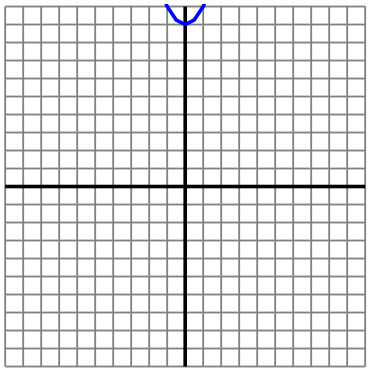
$Y=X^2+3$

2)



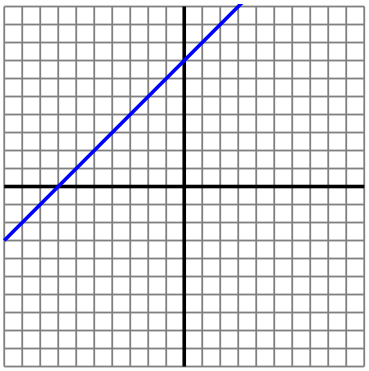
$Y=-X\times2$

3)



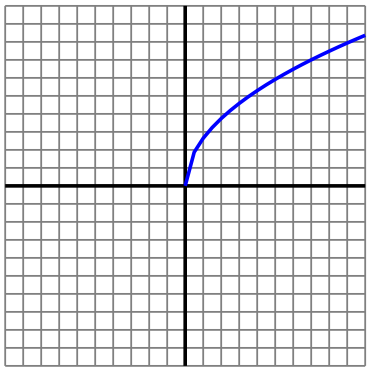
$Y=X^2+9$

4)



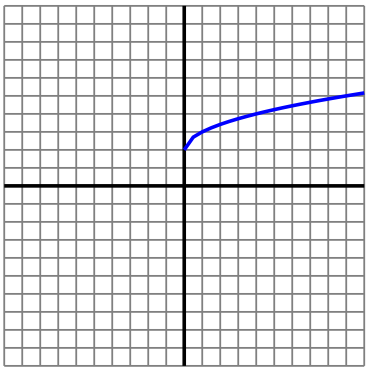
$Y=7+X$

5)



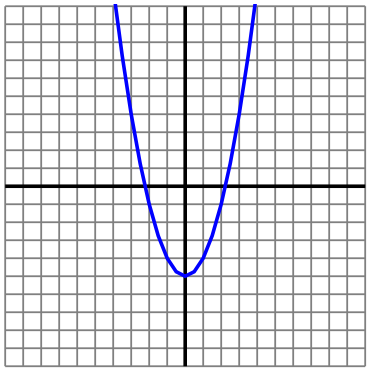
$Y=\sqrt{X\times7}$

6)



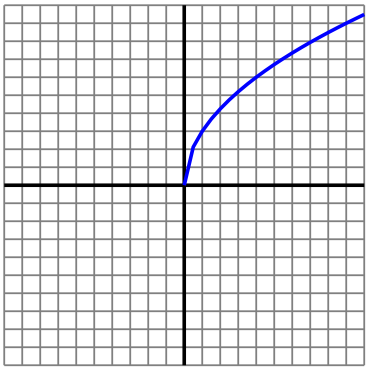
$Y=\sqrt{X}+2$

7)



$Y=X^2-5$

8)



$Y=\sqrt{9\times X}$

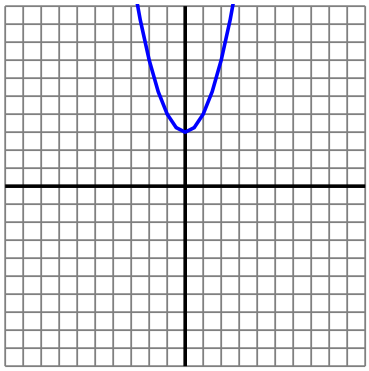
Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____

1-8	88	75	63	50	38	25	13	0

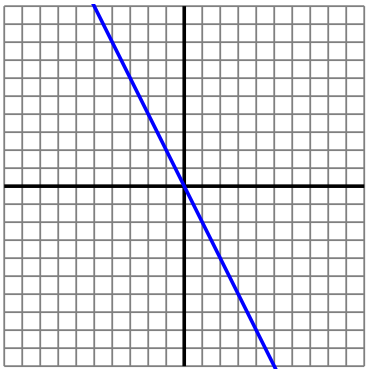
Determine if the graph shown represents a linear function (yes) or not (no).

1)



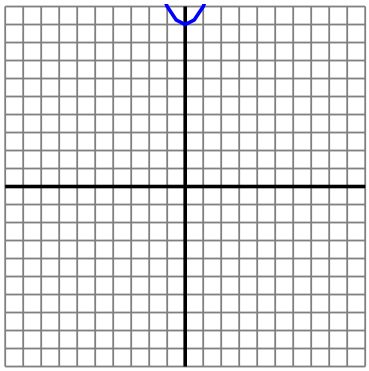
$Y=X^2+3$

2)



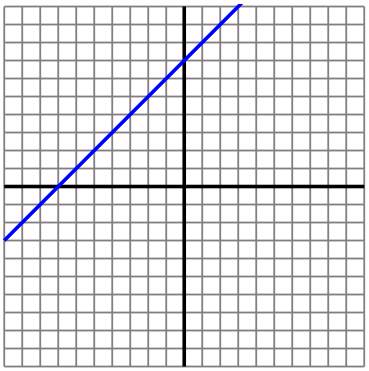
$Y=-X\times2$

3)



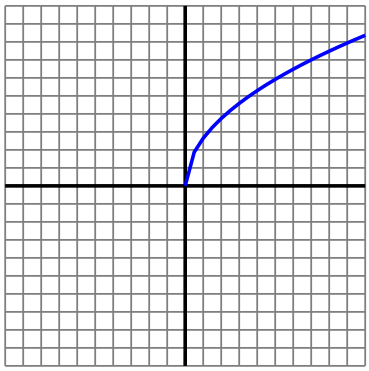
$Y=X^2+9$

4)



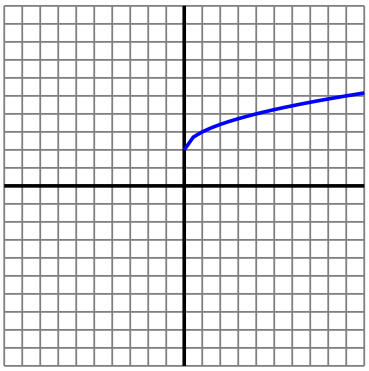
$Y=7+X$

5)



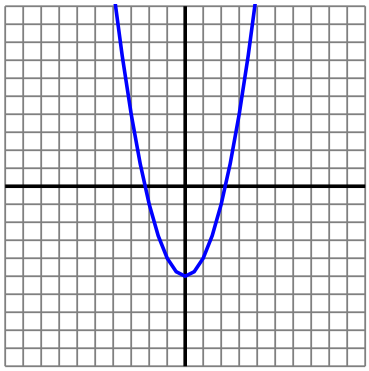
$Y=\sqrt{X\times7}$

6)



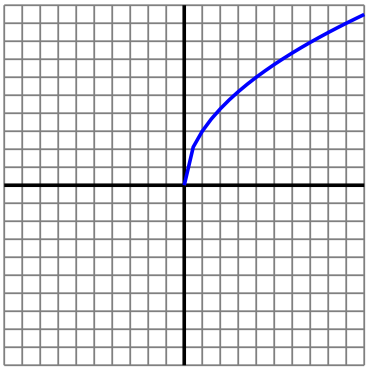
$Y=\sqrt{X}+2$

7)



$Y=X^2-5$

8)



$Y=\sqrt{9\times X}$

Answers

1. no
2. yes
3. no
4. yes
5. no
6. no
7. no
8. no

1-8	88	75	63	50	38	25	13	0