



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

Answers

1) $Y = \frac{X}{5} \times 5$

X	Y
-6	-6
-7	-7
3	3
5	5
7	7

2) $Y = 5^x + 7$

X	Y
-5	7.000
-6	640.000
4	632
5	3,132
7	78,132

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

X	Y
-4	4.000
-7	7.000
-8	8.000
7	7.000
9	9.000

4) $Y = -X^2$

X	Y
-3	-9
-6	-36
-8	-64
-9	-81
8	-64

5) $Y = -X - 6$

X	Y
-1	-5
-5	-1
-8	2
4	-10
8	-14

6) $Y = \sqrt{X \times 7}$

X	Y
10	8.366
1	2.645
3	4.582
5	5.916
8	7.483

7) $Y = \sqrt{X} + 6$

X	Y
0	6
2	7.414
3	7.732
8	8.828
9	9

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

X	Y
2	2.000
6	3.464
7	3.741
8	4.000
9	4.242

9) $Y = \sqrt{X^2 - 7}$

X	Y
-10	9.644
-8	7.550
10	9.644
5	4.243
9	8.602

10) $Y = -X$

X	Y
-1	1
-2	2
-4	4
-7	7
0	0

11) $Y = \frac{X}{9}$

X	Y
-2	-0.222
-3	-0.333
6	0.667
7	0.778
8	0.889

12) $Y = -X + 3$

X	Y
-2	5
-4	7
3	0
6	-3
8	-5

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____



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1. **yes**
2. **no**
3. **no**
4. **no**
5. **yes**
6. **no**
7. **no**
8. **no**
9. **no**
10. **yes**
11. **yes**
12. **yes**