



Identify the rate of change.

1) $Y = 9 \times X + (X \times -1)$

2) $Y = X - 8$

3) $Y = X \times 3$

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

5) $Y = X + 3$

6) $Y = 7 \times X$

7) $Y = -X$

8) $Y = 4 \times X - (X - 8)$

9) $Y = 8 \times X \times 8$

10) $Y = 5 \times X + 8$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Identify the rate of change.

1) $Y=9 \times X+(X \times -1)$

X	Y	ROC
-1	-8	8
0	0	8
1	8	8
2	16	8

2) $Y=X-8$

X	Y	ROC
-1	-9	1
0	-8	1
1	-7	1
2	-6	1

3) $Y=X \times 3$

X	Y	ROC
-1	-3	3
0	0	3
1	3	3
2	6	3

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

X	Y	ROC
-1	-3	1
0	-2	1
1	-1	1
2	0	1

5) $Y=X+3$

X	Y	ROC
-1	2	1
0	3	1
1	4	1
2	5	1

6) $Y=7 \times X$

X	Y	ROC
-1	-7	7
0	0	7
1	7	7
2	14	7

7) $Y=-X$

X	Y	ROC
-1	1	-1
0	0	-1
1	-1	-1
2	-2	-1

8) $Y=4 \times X-(X-8)$

X	Y	ROC
-1	5	3
0	8	3
1	11	3
2	14	3

9) $Y=8 \times X \times 8$

X	Y	ROC
-1	-64	64
0	0	64
1	64	64
2	128	64

10) $Y=5 \times X+8$

X	Y	ROC
-1	3	5
0	8	5
1	13	5
2	18	5

Answers

1. **8**
2. **1**
3. **3**
4. **1**
5. **1**
6. **7**
7. **1**
8. **3**
9. **64**
10. **5**