



Identify the rate of change.

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

2)  $Y=6 \times X-(X-3)$

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

4)  $Y=X-3$

5)  $Y=3 \times X+(X \times -1)$

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

7)  $Y=9 \times X$

8)  $Y=X+8$

9)  $Y=-X$

10)  $Y=8 \times X-(X \times -1)$

**Answers**

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

9. \_\_\_\_\_

10. \_\_\_\_\_



Identify the rate of change.

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

X	Y	ROC
-1	-4	4
0	0	4
1	4	4
2	8	4

2)  $Y=6 \times X - (X-3)$

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

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

X	Y	ROC
-1	0	2
0	2	2
1	4	2
2	6	2

4)  $Y=X-3$

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

5)  $Y=3 \times X + (X \times -1)$

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

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

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

7)  $Y=9 \times X$

X	Y	ROC
-1	-9	9
0	0	9
1	9	9
2	18	9

8)  $Y=X+8$

X	Y	ROC
-1	7	1
0	8	1
1	9	1
2	10	1

9)  $Y=-X$

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

10)  $Y=8 \times X - (X \times -1)$

X	Y	ROC
-1	-9	9
0	0	9
1	9	9
2	18	9

Answers

1. 4

2. 5

3. 2

4. 1

5. 2

6. 5

7. 9

8. 1

9. 1

10. 9