



Identify the rate of change.

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

2)  $Y=-X$

3)  $Y=X \times 7$

4)  $Y=4 \times X \times 9$

5)  $Y=2 \times X-(X \times -1)$

6)  $Y=7 \times X+(X \times 9)$

7)  $Y=6 \times X+(X \times -1)$

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

9)  $Y=X+7$

10)  $Y=X-3$

**Answers**

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

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

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

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

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

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

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

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

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

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



Identify the rate of change.

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

X	Y	ROC
-1	-5	7
0	2	7
1	9	7
2	16	7

2)  $Y=-X$

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

3)  $Y=X \times 7$

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

4)  $Y=4 \times X \times 9$

X	Y	ROC
-1	-36	36
0	0	36
1	36	36
2	72	36

5)  $Y=2 \times X-(X \times -1)$

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

6)  $Y=7 \times X+(X \times 9)$

X	Y	ROC
-1	-16	16
0	0	16
1	16	16
2	32	16

7)  $Y=6 \times X+(X \times -1)$

X	Y	ROC
-1	-5	5
0	0	5
1	5	5
2	10	5

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

X	Y	ROC
-1	-3	7
0	4	7
1	11	7
2	18	7

9)  $Y=X+7$

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

10)  $Y=X-3$

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

Answers

1. 7
2. 1
3. 7
4. 36
5. 3
6. 16
7. 5
8. 7
9. 1
10. 1