



Identify the rate of change.

1)  $Y=2 \times X-6$

2)  $Y=X+2$

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

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

5)  $Y=X-2$

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

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

8)  $Y=9 \times X+6$

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

10)  $Y=5 \times X \times 6$

**Answers**

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

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

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

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

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

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

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

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

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

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



Identify the rate of change.

1)  $Y=2 \times X-6$

X	Y	ROC
-1	-8	2
0	-6	2
1	-4	2
2	-2	2

2)  $Y=X+2$

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

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

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

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

X	Y	ROC
-1	-2	4
0	2	4
1	6	4
2	10	4

5)  $Y=X-2$

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

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

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

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

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

8)  $Y=9 \times X+6$

X	Y	ROC
-1	-3	9
0	6	9
1	15	9
2	24	9

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

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

10)  $Y=5 \times X \times 6$

X	Y	ROC
-1	-30	30
0	0	30
1	30	30
2	60	30

Answers

1. 2
2. 1
3. 5
4. 4
5. 1
6. 1
7. 0
8. 9
9. 8
10. 30