



Identify the rate of change.

1)  $Y = X - 7$

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

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

4)  $Y = X \times 9$

5)  $Y = 3 \times X + 4$

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

7)  $Y = 3 \times X - (X \times 4)$

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

9)  $Y = 9 \times X + (X - 2)$

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

Answers

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

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

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

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

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

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

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

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

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

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



Identify the rate of change.

1)  $Y=X-7$

X	Y	ROC
-1	-8	1
0	-7	1
1	-6	1
2	-5	1

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

X	Y	ROC
-1	-11	5
0	-6	5
1	-1	5
2	4	5

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

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

4)  $Y=X\times 9$

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

5)  $Y=3\times X+4$

X	Y	ROC
-1	1	3
0	4	3
1	7	3
2	10	3

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

X	Y	ROC
-1	-3	10
0	7	10
1	17	10
2	27	10

7)  $Y=3\times X-(X\times 4)$

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

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

X	Y	ROC
-1	-40	40
0	0	40
1	40	40
2	80	40

9)  $Y=9\times X+(X-2)$

X	Y	ROC
-1	-12	10
0	-2	10
1	8	10
2	18	10

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

X	Y	ROC
-1	-24	36
0	0	36
1	36	-18
2	84	18

Answers1. 12. 53. 14. 95. 36. 107. 18. 409. 1010. 18