



Identify the rate of change for each equation.

1)  $Y = X + 3$

2)  $Y = 7 \times X - (X \times -1)$

3)  $Y = X - 8$

4)  $Y = 2 \times X \times 7$

5)  $Y = -X$

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

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

8)  $Y = 6 \times X - (X \times 5)$

9)  $Y = X + (4 \times -1)$

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

**Answers**

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

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

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

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

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

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

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

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

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

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



Identify the rate of change for each equation.

1)  $Y=X+3$

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

2)  $Y=7 \times X - (X \times -1)$

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

3)  $Y=X-8$

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

4)  $Y=2 \times X \times 7$

X	Y	ROC
-1	-14	14
0	0	14
1	14	14
2	28	14

5)  $Y=-X$

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

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

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

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

X	Y	ROC
-1	1	7
0	8	7
1	15	7
2	22	7

8)  $Y=6 \times X - (X \times 5)$

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

9)  $Y=X+(4 \times -1)$

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

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

X	Y	ROC
-1	-12	12
0	0	12
1	12	12
2	24	12

Answers

1. 1

2. 8

3. 1

4. 14

5. 1

6. 2

7. 7

8. 1

9. 1

10. 12