



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   |

3)  $Y=X \times 7$

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

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

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

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

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

9)  $Y=X+7$

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

2)  $Y=-X$

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

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

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

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

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

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

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

10)  $Y=X-3$

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

Answers1. 72. 13. 74. 365. 36. 167. 58. 79. 110. 1