



Identify the rate of change.

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

2)  $Y = 6 \times X - (X - 3)$

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

4)  $Y = X - 3$

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

6)  $Y = 4 \times X + (X + 3)$

7)  $Y = 9 \times X$

8)  $Y = X + 8$

9)  $Y = -X$

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

Answers

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

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

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

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

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

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

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

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

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

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



Identify the rate of change.

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

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

2)  $Y = 6 \times X - (X - 3)$

| X  | Y  | ROC |
|----|----|-----|
| -1 | -2 | 5   |
| 0  | 3  | 5   |
| 1  | 8  | 5   |
| 2  | 13 | 5   |

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

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

4)  $Y = X - 3$

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

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

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

6)  $Y = 4 \times X + (X + 3)$

| X  | Y  | ROC |
|----|----|-----|
| -1 | -2 | 5   |
| 0  | 3  | 5   |
| 1  | 8  | 5   |
| 2  | 13 | 5   |

7)  $Y = 9 \times X$

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

8)  $Y = X + 8$

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

9)  $Y = -X$

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

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

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

Answers

1. **4**
2. **5**
3. **2**
4. **1**
5. **2**
6. **5**
7. **9**
8. **1**
9. **1**
10. **9**