



Identify the rate of change.

Answers

1)  $Y = X \times 9$

2)  $Y = 3 \times X - 8$

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

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

4)  $Y = 8 \times X + (X \times 7)$

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

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

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

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

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

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

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

5)  $Y = 9 \times X - (X - 9)$

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

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

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

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

8)  $Y = X + 4$

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

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



Identify the rate of change.

1)  $Y = X \times 9$

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

2)  $Y = 3 \times X - 8$

| X  | Y   | ROC |
|----|-----|-----|
| -1 | -11 | 3   |
| 0  | -8  | 3   |
| 1  | -5  | 3   |
| 2  | -2  | 3   |

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

| X  | Y  | ROC |
|----|----|-----|
| -1 | -2 | 6   |
| 0  | 0  | 6   |
| 1  | 6  | 14  |
| 2  | 16 | 22  |

4)  $Y = 8 \times X + (X \times 7)$

| X  | Y   | ROC |
|----|-----|-----|
| -1 | -15 | 15  |
| 0  | 0   | 15  |
| 1  | 15  | 15  |
| 2  | 30  | 15  |

5)  $Y = 9 \times X - (X - 9)$

| X  | Y  | ROC |
|----|----|-----|
| -1 | 1  | 8   |
| 0  | 9  | 8   |
| 1  | 17 | 8   |
| 2  | 25 | 8   |

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

| X  | Y  | ROC |
|----|----|-----|
| -1 | 2  | 3   |
| 0  | 5  | 3   |
| 1  | 8  | 3   |
| 2  | 11 | 3   |

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

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

8)  $Y = X + 4$

| X  | Y | ROC |
|----|---|-----|
| -1 | 3 | 1   |
| 0  | 4 | 1   |
| 1  | 5 | 1   |
| 2  | 6 | 1   |

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

| X  | Y  | ROC |
|----|----|-----|
| -1 | -9 | 7   |
| 0  | -2 | 7   |
| 1  | 5  | 7   |
| 2  | 12 | 7   |

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

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

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