



Identify the rate of change.

1) $Y=4 \times X+(X-3)$

2) $Y=5 \times X+2$

3) $Y=X+3$

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

5) $Y=X-(9 \times -1)$

6) $Y=5 \times X$

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

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

9) $Y=X \times 7$

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

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Identify the rate of change.

1) $Y=4 \times X+(X-3)$

| X | Y | ROC |
|----|----|-----|
| -1 | -8 | 5 |
| 0 | -3 | 5 |
| 1 | 2 | 5 |
| 2 | 7 | 5 |

2) $Y=5 \times X+2$

| X | Y | ROC |
|----|----|-----|
| -1 | -3 | 5 |
| 0 | 2 | 5 |
| 1 | 7 | 5 |
| 2 | 12 | 5 |

3) $Y=X+3$

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

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

| X | Y | ROC |
|----|-----|-----|
| -1 | -28 | 28 |
| 0 | 0 | 28 |
| 1 | 28 | 28 |
| 2 | 56 | 28 |

5) $Y=X-(9 \times -1)$

| X | Y | ROC |
|----|----|-----|
| -1 | 8 | 1 |
| 0 | 9 | 1 |
| 1 | 10 | 1 |
| 2 | 11 | 1 |

6) $Y=5 \times X$

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

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

| X | Y | ROC |
|----|----|-----|
| -1 | 0 | 4 |
| 0 | 4 | 4 |
| 1 | 8 | 4 |
| 2 | 12 | 4 |

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

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

9) $Y=X \times 7$

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

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

| X | Y | ROC |
|----|-----|-----|
| -1 | -11 | 11 |
| 0 | 0 | 11 |
| 1 | 11 | 11 |
| 2 | 22 | 11 |

Answers1. 52. 53. 14. 285. 16. 57. 48. 49. 710. 11