



Identify the rate of change.

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

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

3) $Y=7 \times X+(X \times 2)$

4) $Y=-X$

5) $Y=3 \times X-5$

6) $Y=X+2$

7) $Y=6 \times X+2$

8) $Y=7 \times X+(X-5)$

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

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

| X | Y | ROC |
|----|----|-----|
| -1 | -1 | 6 |
| 0 | 5 | 6 |
| 1 | 11 | 6 |
| 2 | 17 | 6 |

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

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

3) $Y=7 \times X+(X \times 2)$

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

4) $Y=-X$

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

5) $Y=3 \times X-5$

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

6) $Y=X+2$

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

7) $Y=6 \times X+2$

| X | Y | ROC |
|----|----|-----|
| -1 | -4 | 6 |
| 0 | 2 | 6 |
| 1 | 8 | 6 |
| 2 | 14 | 6 |

8) $Y=7 \times X+(X-5)$

| X | Y | ROC |
|----|-----|-----|
| -1 | -13 | 8 |
| 0 | -5 | 8 |
| 1 | 3 | 8 |
| 2 | 11 | 8 |

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

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

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

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

Answers

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