



Identify the rate of change.

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

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

3) $Y=7 \times X \times 5$

4) $Y=X \times 4$

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

6) $Y=X-4$

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

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

9) $Y=9 \times X+2$

10) $Y=X+9$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Identify the rate of change.

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

| X | Y | ROC |
|----|----|-----|
| -1 | -2 | 8 |
| 0 | 6 | 8 |
| 1 | 14 | 8 |
| 2 | 22 | 8 |

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

| X | Y | ROC |
|----|----|-----|
| -1 | -8 | 1 |
| 0 | -7 | 1 |
| 1 | -6 | 1 |
| 2 | -5 | 1 |

3) $Y=7 \times X \times 5$

| X | Y | ROC |
|----|-----|-----|
| -1 | -35 | 35 |
| 0 | 0 | 35 |
| 1 | 35 | 35 |
| 2 | 70 | 35 |

4) $Y=X \times 4$

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

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

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

6) $Y=X-4$

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

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

| X | Y | ROC |
|----|-----|-----|
| -1 | -14 | 9 |
| 0 | -5 | 9 |
| 1 | 4 | 9 |
| 2 | 13 | 9 |

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

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

9) $Y=9 \times X+2$

| X | Y | ROC |
|----|----|-----|
| -1 | -7 | 9 |
| 0 | 2 | 9 |
| 1 | 11 | 9 |
| 2 | 20 | 9 |

10) $Y=X+9$

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

Answers

1. 8
2. 1
3. 35
4. 4
5. 1
6. 1
7. 9
8. 8
9. 9
10. 1