

Graphing Worksheet 15

Use the table to write the requested values. Then write the equation of the corresponding line, using the form $y = mx + b$.

1.

| | | | | | |
|-----|----|----|---|---|---|
| x | -4 | -2 | 0 | 2 | 4 |
| y | -1 | 0 | 1 | 2 | 3 |

$\Delta y =$ $\Delta x =$ $m =$ $b =$

Equation of the line: $y =$

2.

| | | | | | |
|-----|----|----|---|---|----|
| x | -6 | -3 | 0 | 3 | 6 |
| y | -7 | -2 | 3 | 8 | 13 |

$\Delta y =$ $\Delta x =$ $m =$ $b =$

Equation of the line: $y =$

3.

| | | | | | |
|-----|----|----|---|----|----|
| x | -8 | -4 | 0 | 4 | 8 |
| y | 8 | 5 | 2 | -1 | -4 |

$\Delta y =$ $\Delta x =$ $m =$ $b =$

Equation of the line: $y =$

4.

| | | | | | |
|-----|----|----|----|----|----|
| x | -6 | -3 | 0 | 3 | 6 |
| y | -4 | -5 | -6 | -7 | -8 |

$\Delta y =$ $\Delta x =$ $m =$ $b =$

Equation of the line: $y =$

5.

| | | | | | |
|-----|-----|----|---|---|----|
| x | -12 | -6 | 0 | 6 | 12 |
| y | -14 | -7 | 0 | 7 | 14 |

$\Delta y =$ $\Delta x =$ $m =$ $b =$

Equation of the line: $y =$

6.

| | | | | | |
|-----|----|----|----|----|-----|
| x | -4 | -2 | 0 | 2 | 4 |
| y | 2 | -1 | -4 | -7 | -10 |

$\Delta y =$ $\Delta x =$ $m =$ $b =$

Equation of the line: $y =$

7.

| | | | | | |
|-----|----|----|---|----|----|
| x | -8 | -4 | 0 | 4 | 8 |
| y | -7 | -1 | 5 | 11 | 17 |

$\Delta y =$ $\Delta x =$ $m =$ $b =$

Equation of the line: $y =$

8.

| | | | | | |
|-----|----|----|---|---|---|
| x | -2 | -1 | 0 | 1 | 2 |
| y | -1 | 1 | 3 | 5 | 7 |

$\Delta y =$ $\Delta x =$ $m =$ $b =$

Equation of the line: $y =$

9.

| | | | | | |
|-----|----|----|---|---|---|
| x | -2 | -1 | 0 | 1 | 2 |
| y | -5 | -2 | 1 | 4 | 7 |

Equation of the line: $y =$

10.

| | | | | | |
|-----|-----|----|----|----|----|
| x | 2 | 1 | 0 | -1 | -2 |
| y | -10 | -6 | -2 | 2 | 6 |

Equation of the line: $y =$

11.

| | | | | | |
|-----|----|----|---|---|----|
| x | -4 | -2 | 0 | 2 | 4 |
| y | -3 | 1 | 5 | 9 | 13 |

Equation of the line: $y =$

12.

| | | | | | |
|-----|----|---|---|----|----|
| x | 4 | 2 | 0 | -2 | -4 |
| y | 13 | 9 | 5 | 1 | -3 |

Equation of the line: $y =$

13.

| | | | | | |
|-----|-----|-----|---|----|----|
| x | -4 | -2 | 0 | 2 | 4 |
| y | -20 | -10 | 0 | 10 | 20 |

Equation of the line: $y =$

14.

| | | | | | |
|-----|-----|-----|---|----|----|
| x | 4 | 2 | 0 | -2 | -4 |
| y | -20 | -10 | 0 | 10 | 20 |

Equation of the line: $y =$

15.

| | | | | | |
|-----|----|---|----|----|----|
| x | -1 | 0 | 1 | 2 | 3 |
| y | 4 | 1 | -2 | -5 | -8 |

Equation of the line: $y =$

16.

| | | | | | |
|-----|-----|-----|-----|----|-----|
| x | -20 | -15 | -10 | -5 | 0 |
| y | 84 | 88 | 92 | 96 | 100 |

Equation of the line: $y =$