

Writing Linear Equations From A Table Practice

Write the slope-intercept form of the equation for each equation

1.

x	y
1	0
-7	-24
-5	-18
7	18
-9	-30

$$\Delta y =$$

$$\Delta x =$$

$$m = \frac{\Delta y}{\Delta x}$$

$$m = \underline{\hspace{2cm}}$$

Point: (,)

$$y = mx + b$$

$$\underline{\hspace{1cm}} = \underline{\hspace{1cm}} (\underline{\hspace{1cm}}) + b$$

$$\underline{\hspace{1cm}} = \underline{\hspace{1cm}} + b$$

$$\underline{\hspace{1cm}} = b$$

$$y = mx + b$$

$$y = \underline{\hspace{1cm}} x + \underline{\hspace{1cm}}$$

2.

x	y
-3	20
-5	32
-4	26
-2	14
8	-46

$$\Delta y =$$

$$\Delta x =$$

$$m = \frac{\Delta y}{\Delta x}$$

$$m = \underline{\hspace{2cm}}$$

Point: (,)

$$y = mx + b$$

$$\underline{\hspace{1cm}} = \underline{\hspace{1cm}} (\underline{\hspace{1cm}}) + b$$

$$\underline{\hspace{1cm}} = \underline{\hspace{1cm}} + b$$

$$\underline{\hspace{1cm}} = b$$

$$y = mx + b$$

$$y = \underline{\hspace{1cm}} x + \underline{\hspace{1cm}}$$

3.

x	y
-7	-2
6	11
-5	0
9	14
-3	2

$$\Delta y =$$

$$\Delta x =$$

$$m = \frac{\Delta y}{\Delta x}$$

$$m = \underline{\hspace{2cm}}$$

Point: (,)

$$y = mx + b$$

$$\underline{\hspace{1cm}} = \underline{\hspace{1cm}} (\underline{\hspace{1cm}}) + b$$

$$\underline{\hspace{1cm}} = \underline{\hspace{1cm}} + b$$

$$\underline{\hspace{1cm}} = b$$

$$y = mx + b$$

$$y = \underline{\hspace{1cm}} x + \underline{\hspace{1cm}}$$

4.

x	y
-6	27
2	3
4	-3
-8	33
9	-18

$$\Delta y =$$

$$\Delta x =$$

$$m = \frac{\Delta y}{\Delta x}$$

$$m = \underline{\hspace{2cm}}$$

Point: (,)

$$y = mx + b$$

$$\underline{\hspace{1cm}} = \underline{\hspace{1cm}} (\underline{\hspace{1cm}}) + b$$

$$\underline{\hspace{1cm}} = \underline{\hspace{1cm}} + b$$

$$\underline{\hspace{1cm}} = b$$

$$y = mx + b$$

$$y = \underline{\hspace{1cm}} x + \underline{\hspace{1cm}}$$