

Name:

ANSWERS!

Class:



Communication



Successful Partnership



Encouragement



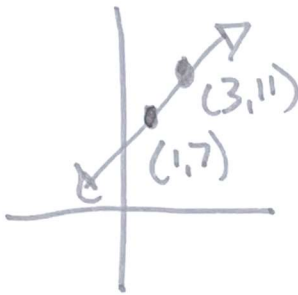
Solving Problem Together



Collaboration

Question 01

A line includes coordinates (1, 7) and (3, 11).
What is the y-intercept?



$x y$

$$m \rightarrow \frac{\text{Rise}}{\text{Run}} \rightarrow \frac{4}{2} = 2$$

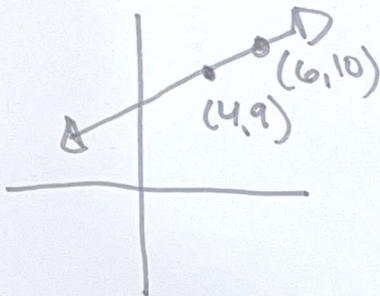
$$y = 2x + b$$

$$y = 2x + b$$
$$7 = 2(1) + b$$
$$7 = 2 + b$$

$$b = 5$$

Question 02

A line includes coordinates (4, 9) and (6, 10).
What is the y-intercept?



$x y$

$$m \rightarrow \frac{\text{Rise}}{\text{Run}} \rightarrow \frac{1}{2}$$

$$y = \frac{1}{2}x + b$$

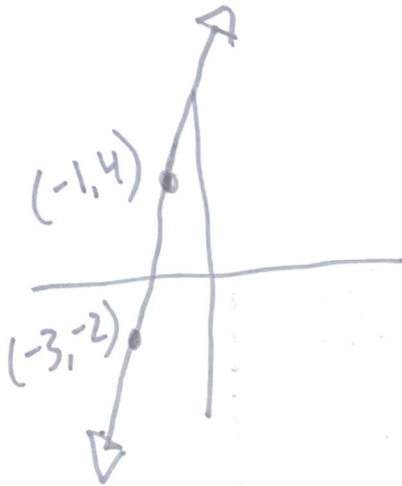
$$y = \frac{1}{2}x + b$$
$$9 = \frac{1}{2}(4) + b$$
$$9 = 2 + b$$

$$b = 7$$

Question 03

x y

A line includes coordinates $(-3, -2)$ and $(-1, 4)$.
What is the y-intercept?



$$M \rightarrow \frac{\text{Rise}}{\text{Run}} \rightarrow \frac{6}{2} = 3$$

$$y = 3x + b$$

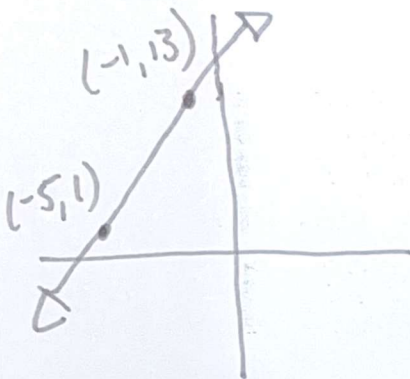
$$y = 3x + b$$
$$-2 = 3(-3) + b$$
$$-2 = -9 + b$$

$$b = 7$$

Question 04

x y

A line includes coordinates $(-5, 1)$ and $(-1, 13)$.
What is the y-intercept?



$$M \rightarrow \frac{\text{Rise}}{\text{Run}} \rightarrow \frac{12}{4} = 3$$

$$y = 3x + b$$

$$y = 3x + b$$
$$1 = 3(-5) + b$$
$$1 = -15 + b$$

$$b = 16$$