

Name:

ANSWERS!

Class:



Communication



Successful Partnership



Encouragement



Solving Problem Together

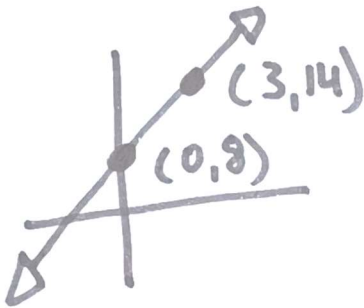


Collaboration

Question 01

A line includes the coordinates (3, 14) and has a y-intercept of 8.

Write the $y = mx + b$ equation for the line.



$$b = 8$$

slope
is
positive

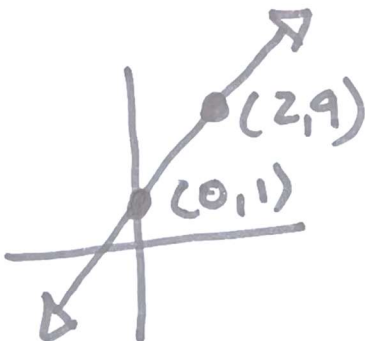
$$m = \frac{\text{Rise}}{\text{Run}} = \frac{6}{3} = 2$$

$$y = 2x + 8$$

Question 02

A line includes the coordinates (2, 9) and has a y-intercept of 1.

Write the $y = mx + b$ equation for the line.



$$b = 1$$

slope
is
positive

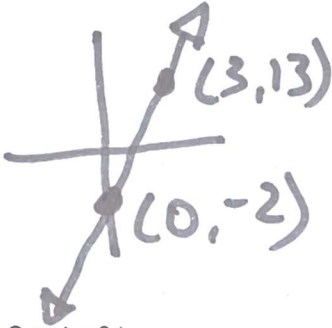
$$m = \frac{\text{Rise}}{\text{Run}} = \frac{8}{2} = 4$$

$$y = 4x + 1$$

Question 03

A line includes the coordinates (3, 13) and has a y-intercept of -2.

Write the $y = mx + b$ equation for the line.



Question 04

$$b = -2$$

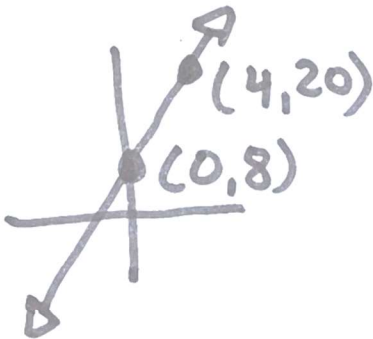
slope
is
positive

$$m = \frac{\text{Rise}}{\text{Run}} = \frac{15}{3} = 5$$

$$y = 5x - 2$$

A line includes the coordinates (4, 20) and has a y-intercept of 8.

Write the $y = mx + b$ equation for the line.



Question 05

$$b = 8$$

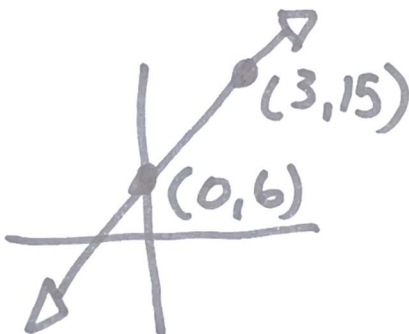
Slope
is
positive

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

$$y = 3x + 8$$

A line includes the coordinates (3, 15) and has a y-intercept of 6.

Write the $y = mx + b$ equation for the line.



$$b = 6$$

Slope
is
positive

$$m = \frac{\text{Rise}}{\text{Run}} = \frac{9}{3} = 3$$

$$y = 3x + 6$$