

Name:

ANSWERS!

Class:



Communication



Successful Partnership



Encouragement



Solving Problem Together

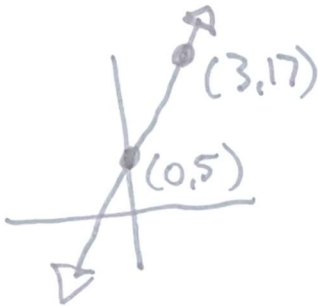


Collaboration

Question 01

Write the  $y = mx + b$  equation for the line that includes the points below.

| x | y  |
|---|----|
| 0 | 5  |
| 3 | 17 |



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

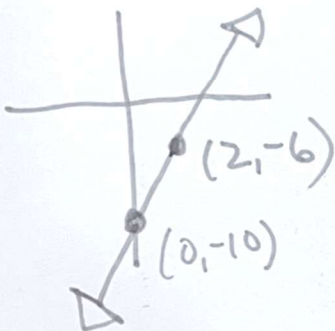
$$b = 5$$

$$y = 4x + 5$$

Question 02

Write the  $y = mx + b$  equation for the line that includes the points below.

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



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

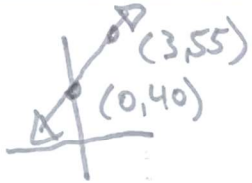
$$b = -10$$

$$y = 2x - 10$$

Question 03

Write the  $y = mx + b$  equation for the line that includes the points below.

| x | y  |
|---|----|
| 0 | 40 |
| 3 | 55 |



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

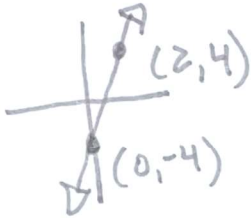
$$b = 40$$

$$y = 5x + 40$$

Question 04

Write the  $y = mx + b$  equation for the line that includes the points below.

| x | y  |
|---|----|
| 0 | -4 |
| 2 | 4  |



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

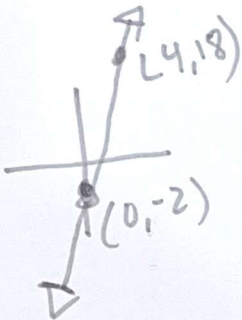
$$b = -4$$

$$y = 4x - 4$$

Question 05

Write the  $y = mx + b$  equation for the line that includes the points below.

| x | y  |
|---|----|
| 0 | -2 |
| 4 | 18 |



$$m \rightarrow \frac{\text{Rise}}{\text{Run}} \rightarrow \frac{20}{4} = 5$$

$$b = -2$$

$$y = 5x - 2$$