

## MODULE 3 • BUSINESS MODELING

## Lesson 3.6: Solving Systems of Linear Equations

## Lesson 3.6: Solving Systems of Linear Equations

## Mathematics Florida Standard (MAFS)

MAFS.912.A-REI.3.6

Solve systems of linear equations exactly and approximately (e.g., with graphs), focusing on pairs of linear equations in two variables.

## Warm-Up

$$y = mx + b$$

Benito is a waiter. He earns a base salary of \$1500 a month, plus 20% of the price of the meals he serves.

1. Write an equation to predict the amount of money Benito will earn if he serves \$350 in meals in one month.

$$y = 0.20x + 1500$$

$$b = 1500 \text{ (fixed)}$$

$$m = 20\% \Rightarrow 0.20$$

(variable rate)

$$y = 0.2(350) + 1500$$

$$y = 70 + 1500$$

$$y = 1570$$

2. Benito earned \$1,650 in one month. What was the total price of the meals that Benito served?

$$y = 0.20x + 1500$$

$$1650 = 0.20x + 1500$$

$$\begin{array}{r} -1500 \\ \hline \end{array}$$

$$\frac{150}{0.20} = \frac{0.20x}{0.20}$$

$$x = 750$$

3. Create a graph to show the possible amount of money Benito could earn each month.

# Financial Algebra Answers Chapter 10 4

**Guillaume Favre**



## **Financial Algebra Answers Chapter 10 4:**

## Enjoying the Track of Appearance: An Emotional Symphony within **Financial Algebra Answers Chapter 10 4**

In some sort of consumed by screens and the ceaseless chatter of instant interaction, the melodic beauty and emotional symphony created by the written word usually disappear into the background, eclipsed by the relentless sound and disturbances that permeate our lives. But, located within the pages of **Financial Algebra Answers Chapter 10 4** a wonderful literary prize overflowing with organic feelings, lies an immersive symphony waiting to be embraced. Constructed by an outstanding composer of language, this interesting masterpiece conducts viewers on a mental journey, well unraveling the concealed songs and profound affect resonating within each cautiously constructed phrase. Within the depths of the emotional examination, we shall investigate the book is key harmonies, analyze its enthralling writing design, and surrender ourselves to the profound resonance that echoes in the depths of readers souls.

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