

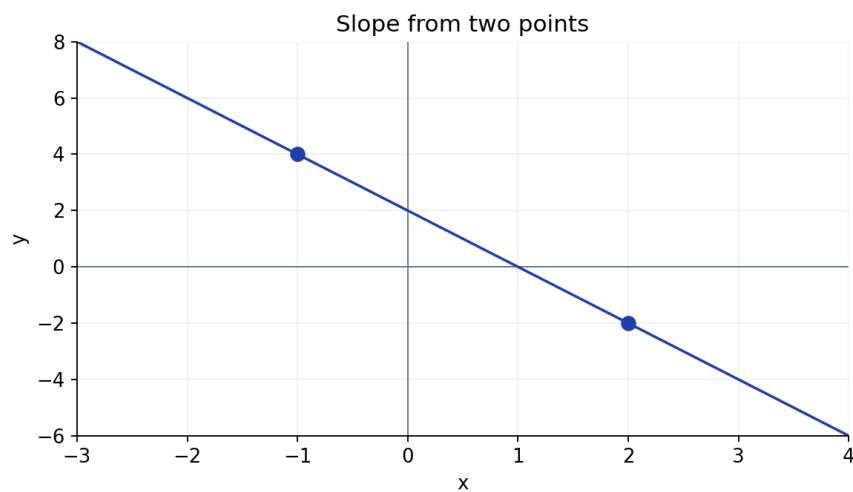
Problems | Name: _____

3.1 Slope as a Rate

3.1.1. Find the slope through $(-2, 5)$ and $(2, -3)$.

3.1.2. Find the slope of the line through $(3, 1)$ and $(3, 7)$.

3.1.3. Use the graphed points to find the slope and explain its sign.



Read the coordinates of the two marked points.

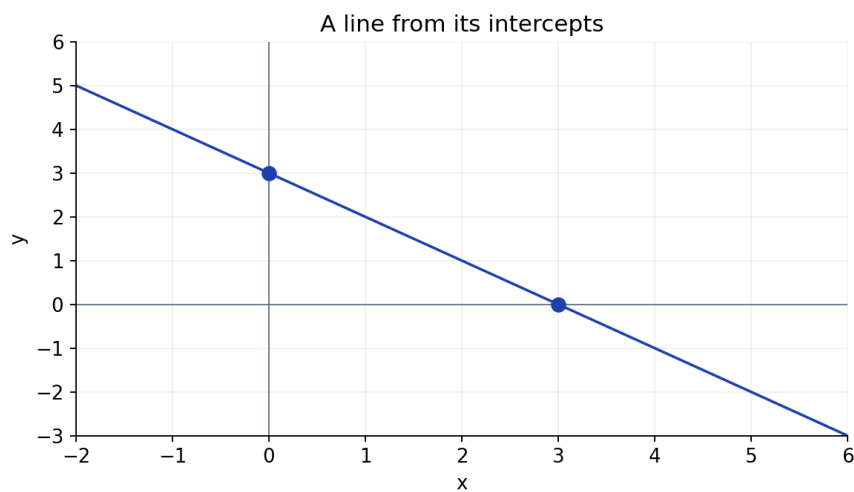
Problems | Name: _____

3.2 Forms of a Linear Equation

3.2.1. Write a slope-intercept equation for slope -2 and y-intercept 5 .

3.2.2. Write an equation through $(1, 4)$ with slope 2 .

3.2.3. Write an equation for the graphed line using its intercepts.



Use the two intercepts to describe the line.

Problems | Name: _____

3.3 Parallel and Perpendicular Lines

3.3.1. Are $y = 3x + 2$ and $y = 3x - 5$ parallel, perpendicular, or neither?

3.3.2. Find a line perpendicular to $y = 4x + 7$ through $(0, 2)$.

3.3.3. What line through $(2, 5)$ is perpendicular to $x = 2$?
