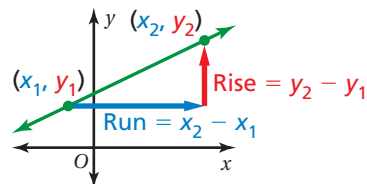


REVIEW: Slopes of Horizontal and Vertical Lines

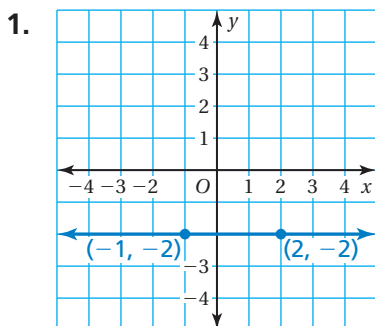
Name _____

Key Concept and Vocabulary

$$\text{slope} = \frac{\text{rise}}{\text{run}} = \frac{\text{change in } y}{\text{change in } x} = \frac{y_2 - y_1}{x_2 - x_1}$$

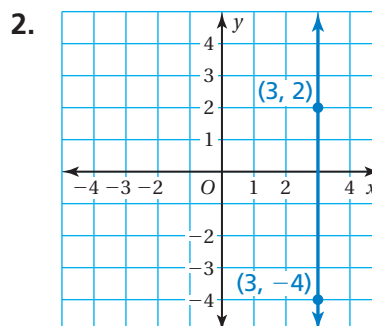


Skill Examples



$$\text{slope} = \frac{y_2 - y_1}{x_2 - x_1} = \frac{-2 - (-2)}{2 - (-1)} = \frac{0}{3} = 0$$

∴ The slope is 0.



$$\text{slope} = \frac{y_2 - y_1}{x_2 - x_1} = \frac{2 - (-4)}{3 - 3} = \frac{6}{0}$$

∴ Because division by zero is undefined, the slope of the line is undefined.

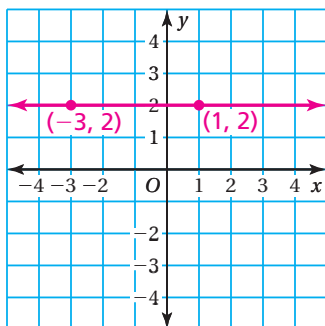


PRACTICE MAKES PURR-FECT™

Check your answers at BigIdeasMath.com.

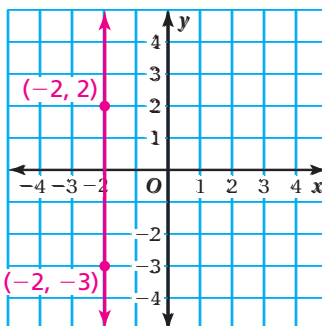
Plot the points. Then find the slope of the line through the points.

3. $(-3, 2), (1, 2)$



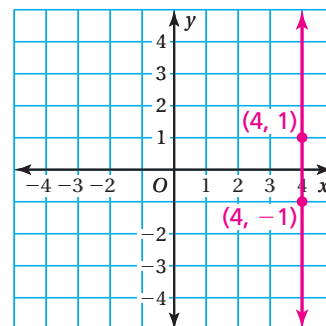
Slope = 0

4. $(-2, 2), (-2, -3)$



Slope = undefined

5. $(4, -1), (4, 1)$



Slope = undefined