

Lines: Lesson 3

Advanced Slope: Notes

Name: _____

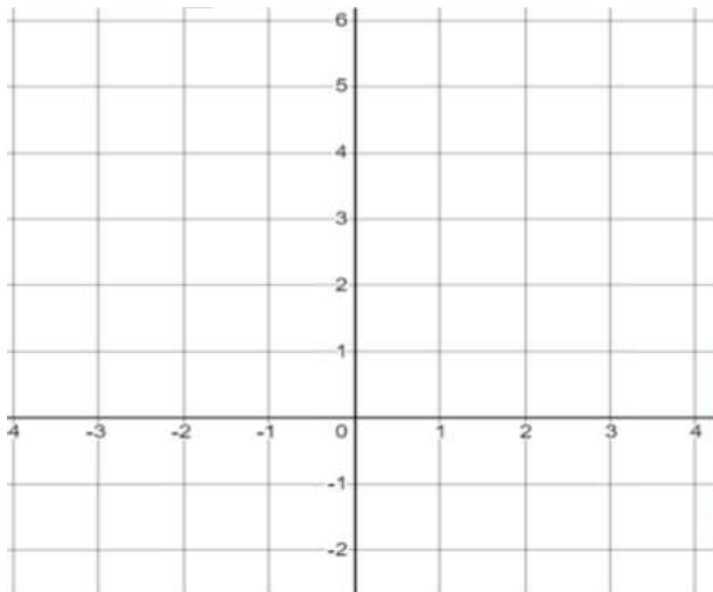


Horizontal Lines: (3, 5) (-2, 5)

$$\text{Slope: } \frac{y_2 - y_1}{x_2 - x_1} =$$

=

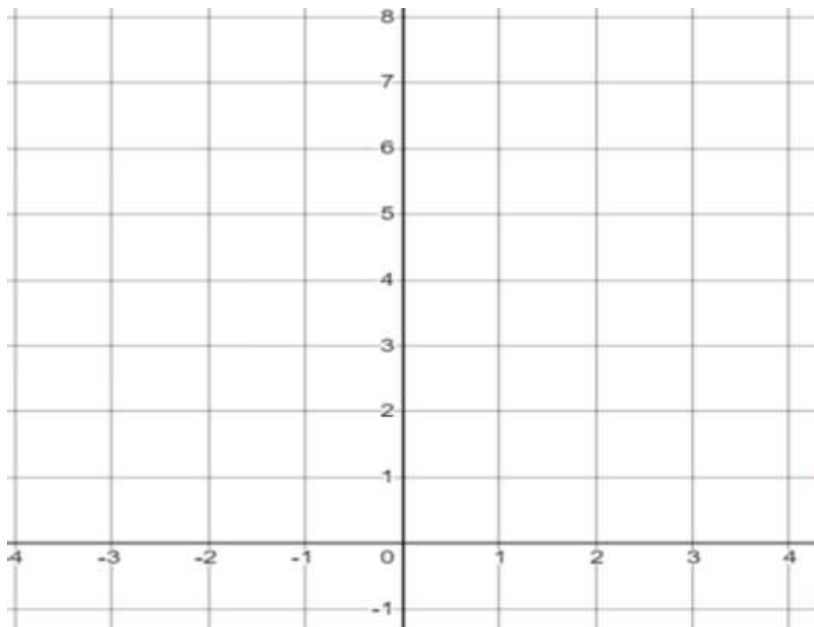
Equation:



Vertical Lines: (-1, 7) and (-1, 3)

Slope:

Equation:



Are these 3 points on the same line?

$(-4, 5)$ $(-7, 3)$ $(2, 9)$

Slope between the first two points:

Slope between the second two points:

Find a.

$(8, -3)$ $(5, a)$

$$\text{Slope: } \frac{3}{5} \quad \text{Slope} = \frac{y_2 - y_1}{x_2 - x_1}$$