

Practice Concepts that your students need help with and then start slope formula on next slide.

Slope: rise over run

rise = difference between y-values

run = difference between x-values

Given 2 points: (x_1, y_1) and (x_2, y_2)

$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

Find the slope between the two given points:

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

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

3. $(-3, 5)$ and $(2, 2)$

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

5. $(1, 3)$ and $(5, 2)$

6. $(-2, -3)$ and $(3, -3)$

7. $(3, 4)$ and $(3, -2)$

8. $(1, -4)$ and $(6, -2)$