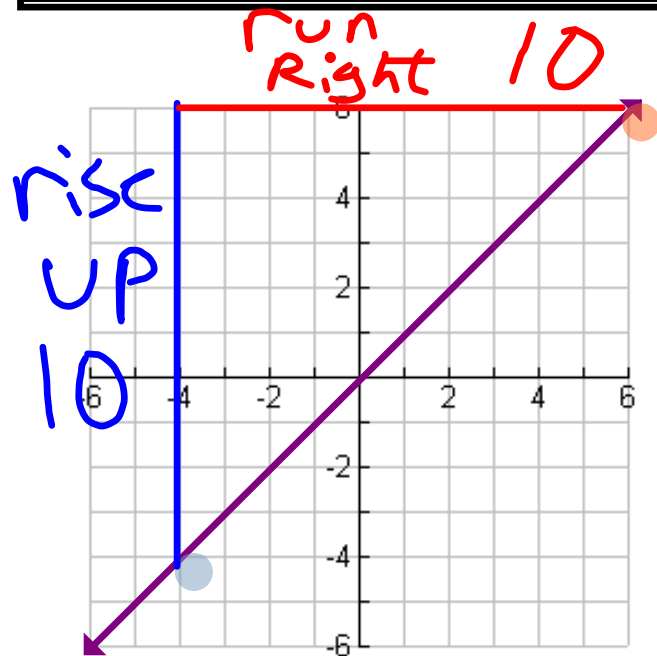


4.5. The Slope Of a Line

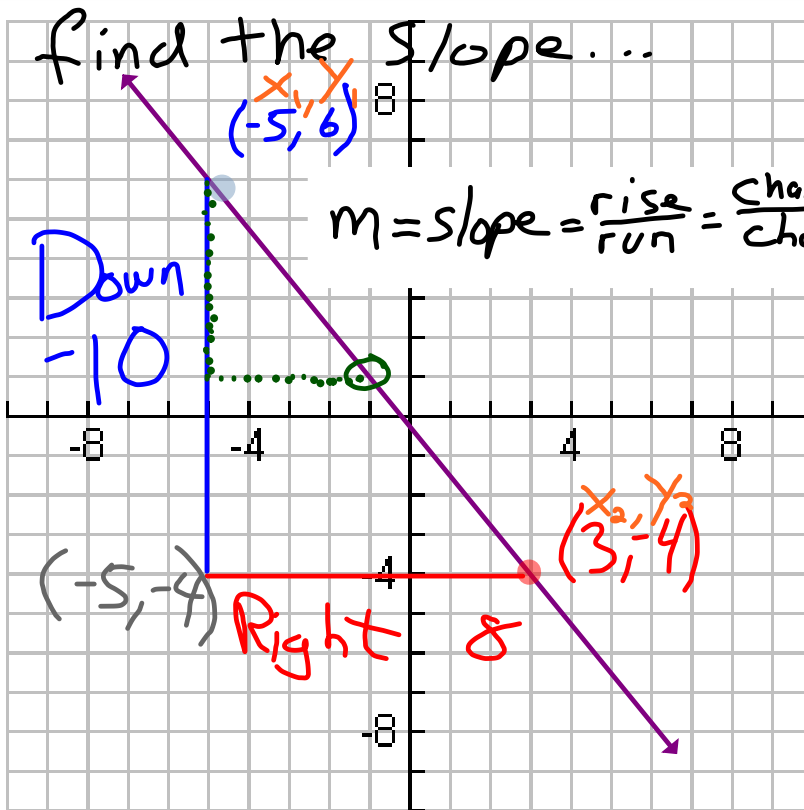
Jan. 31, 2007



$$\text{Slope} = \frac{\text{rise}}{\text{run}} = \frac{\text{up/down}}{\text{left/right}} = \frac{10}{10} = 1$$

How Many Pts do
we Need for a line?
Slope? 2

find the slope...



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

$$\text{Slope} = \frac{\text{rise}}{\text{run}} = \frac{-10}{8} = \underline{\underline{-\frac{5}{4}}}$$

O.T.L.

$$\underline{\underline{\text{Slope} = \frac{\text{rise}}{\text{run}} =}}$$

✓ ① Pg 230 Check Point
1-3 (all)

✓ ② Pg 231 Check Point
4-6 (all)

③ Pg 233 1-22 (all)