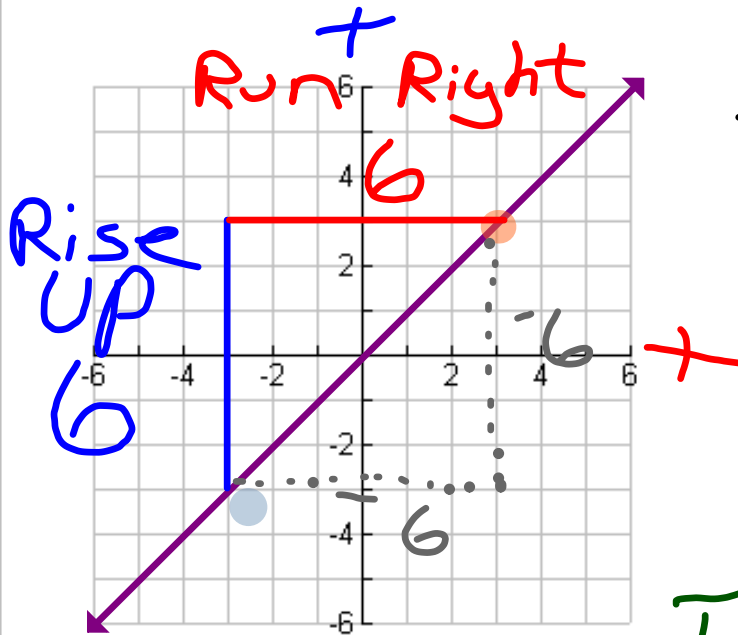
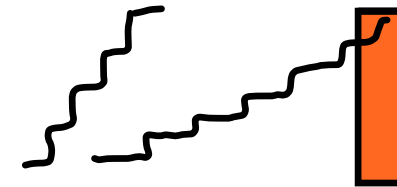


4.5. The Slope Of a Line

Nov. 13, 2006



$$\text{Slope} = \frac{\text{rise}}{\text{run}} = \frac{6}{6} = \underline{\underline{1}}$$

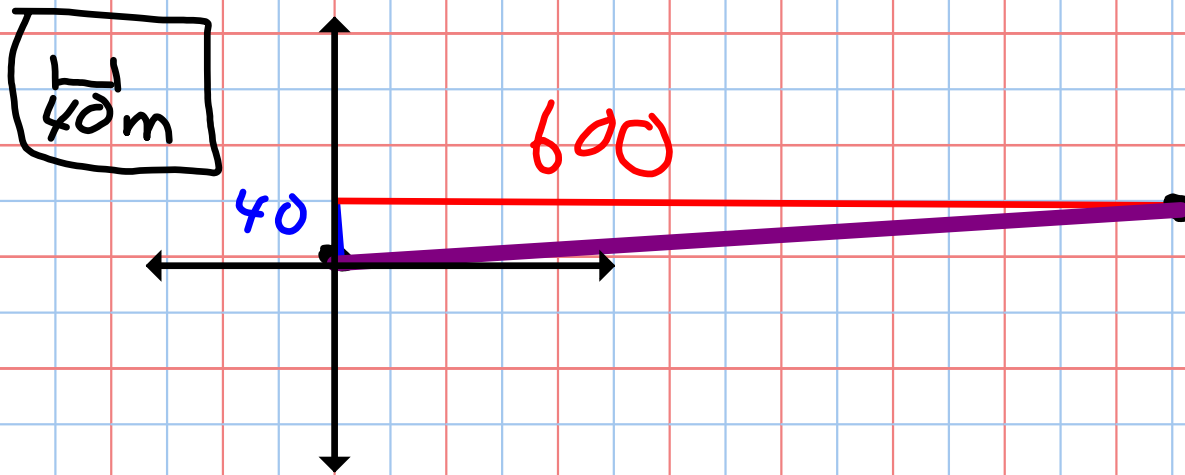
How Many Pts do we Need for a line?
Slope? 2

The Slope here is 1

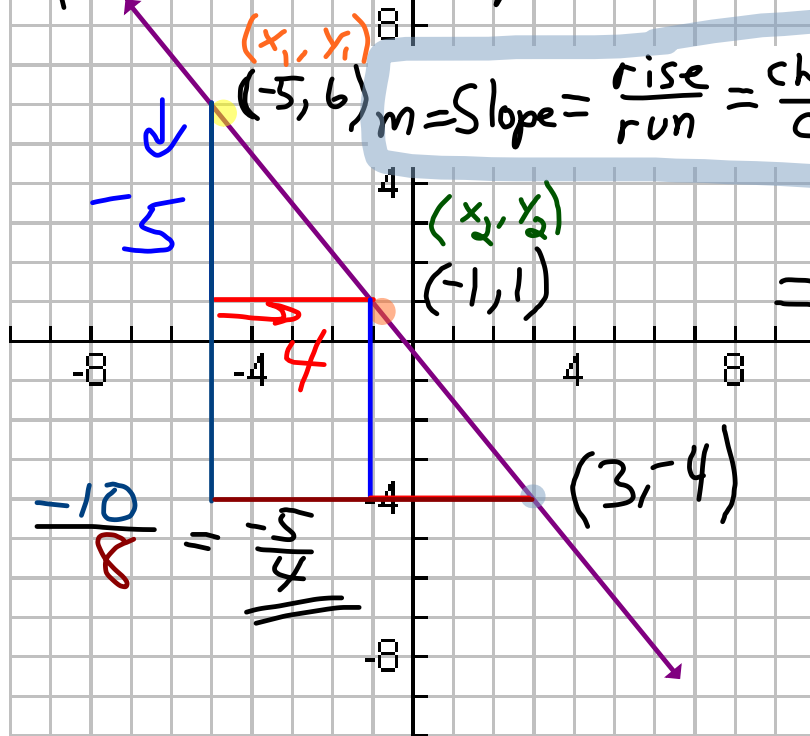
$$\frac{-6}{-6} = \underline{\underline{1}}$$

ex 1) find the slope of a hill that has a vertical rise of 40m and a horizontal run of 600m.

$$\text{Slope} = \frac{\text{Rise}}{\text{Run}} = \frac{\text{change in } y}{\text{change in } x} = \frac{40}{600} = \frac{4}{60} = \frac{1}{15}$$



find the slope...



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

$$= \frac{-5}{4}$$

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)