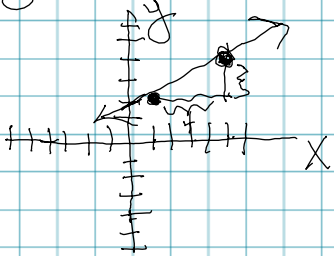


Day 11 - Sept 18th

Find slope from 2 points a graph,
+ equation

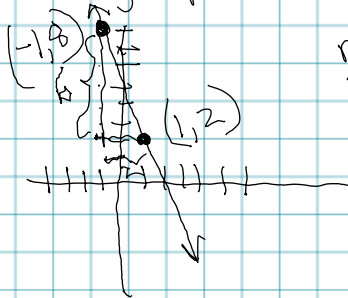
given 2 points $(1, 2)$ and $(5, 4)$ Find slope



$$\frac{2}{4} = \frac{\text{rise}}{\text{run}} = \frac{2}{4} = \frac{1}{2}$$

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{4 - 2}{5 - 1} = \frac{2}{4} = \frac{1}{2}$$

given a graph find slope



$$\frac{\text{rise}}{\text{run}} = \frac{-6}{2} = -3$$

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{2 - 8}{1 - (-1)} = \frac{-6}{2} = -3$$

given an equation find slope

$$y = \left(\frac{-3}{7}\right)x + 5 \quad \frac{-3}{7}$$