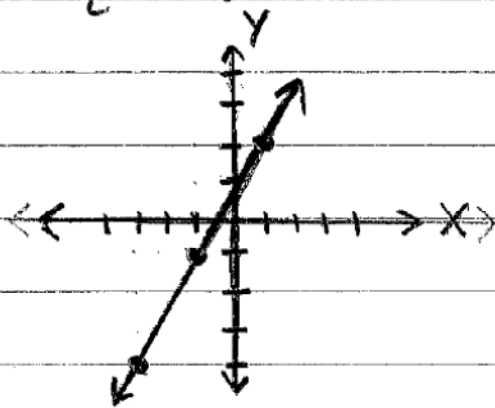
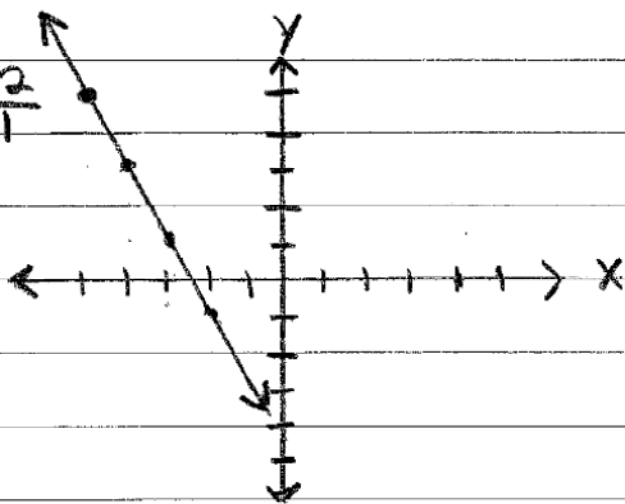


Graphs of Linear Equations

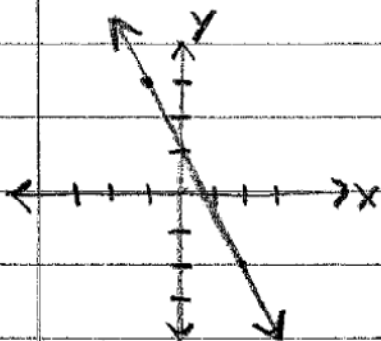
- 1) Slope = $\frac{3}{2}$
Point: $(-3, -4)$



- 2) Slope = $-2 = \frac{-2}{1}$
Point: $(-5, 5)$



- 3) Draw a line that passes through $(-1, 3)$ and $(2, -2)$. Then find the slope.



$$m = \frac{\Delta y}{\Delta x}$$

$$= \frac{3 - (-2)}{-1 - 2}$$

$$= \frac{5}{-3} = \boxed{\frac{5}{3}}$$

- 4) Find a point on the line $y = 4x - 1$. Then find the slope.

$$y = 4x - 1$$

$$y = 4(1) - 1$$

$$y = 3$$

$$\boxed{(1, 3)}$$

$$y = 4x - 1$$

$$y = 4(2) - 1$$

$$y = 7$$

$$\boxed{(2, 7)}$$

$$m = \frac{\Delta y}{\Delta x}$$

$$= \frac{7 - 3}{2 - 1}$$

$$= \frac{4}{1} = \boxed{4}$$