



3. Plot each pair of points on the grid below, then draw a line through the two points. Find the slope, y-intercept, and equation for each line.

a) $(-2, 6)$ and $(4, 9)$

$$m = \frac{\text{difference in y-values}}{\text{difference in x-values}}$$

$$m =$$

$$m =$$

$$b = 7$$

$$y = \frac{1}{2}x + 7$$

b) $(-1, 4)$ and $(2, -5)$

$$m = -3$$

$$b = 1$$

$$y = -3x + 1$$

c) $(-6, -8)$ and $(6, -5)$

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

$$b = -6.5$$

$$y = \frac{1}{4}x - 6.5$$

