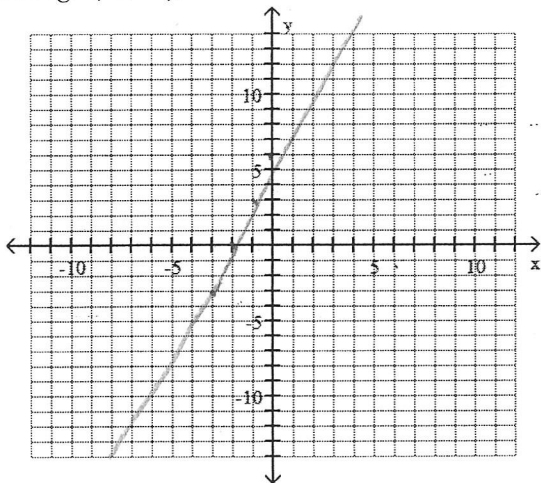


Graph the line.

1) through $(-3, -3)$, $m = 3$ 

Decide if each pair of lines is parallel, perpendicular, or neither.

2) $3x - 6y = 10$
 $18x + 9y = 13$

$$\begin{aligned} -6y &= -3x + 10 & y &= \frac{1}{2}x - \frac{10}{6} \\ 9y &= -18 + 13 & y &= -2 \end{aligned}$$

P $(\frac{1}{2})(-2) = -1$
 Perpendicular

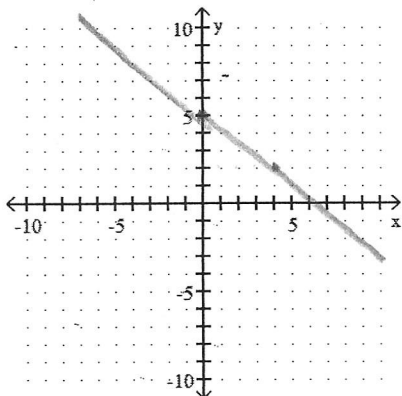
Find the slope and the y-intercept of the line.

3) $-2x + 4y = 16$

$$\begin{aligned} 4y &= 2x + 16 \\ y &= \frac{1}{2}x + 4 \end{aligned} \quad m = \frac{1}{2} \quad b = 4$$

Graph the equation by first writing the equation in slope-intercept form.

4) $3x + 4y = 20$



$$\begin{aligned} 4y &= -3x + 20 \\ y &= -\frac{3}{4}x + 5 \end{aligned}$$