Name Notes

Section 4.4 (# 15-24 on assignment can solve for y or plug in 0 for each)

Algebra II: Slope Intercept Form (PP)

Essential Questions:
What is standard form?

$$Ax + By = C$$

where A, B + C are integers

Notes

$5x - 2y = 10$

- $x = 0$

$5(0) - 2y = 10$

$0 - 2y = 10$

$\frac{-2y}{-2} = \frac{10}{-2}$

$y = -5$

- $y = 0$

$5x - 2(0) = 10$

$\frac{5x}{5} = \frac{10}{5}$

$x = 2$

$-3x + 2y = 6$

$0 + \frac{2y}{2} = \frac{6}{2}$

$y = 3$

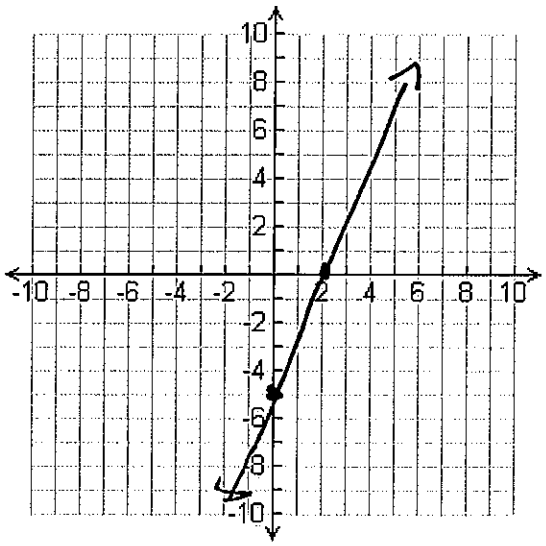
$-3x + 2y = 6$

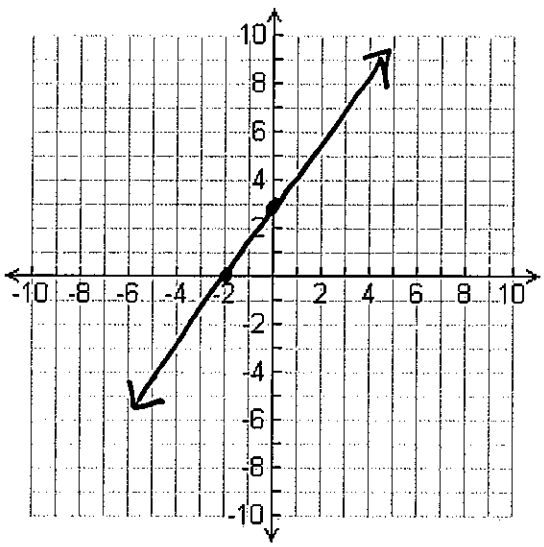
$-3x + 0 = 6$

$\frac{-3x}{-3} = \frac{6}{-3}$

$x = -2$

Try these:





Try on your own- Check w/ partner

$-3x + 2y = 12$

let $x = 0$

$-3(0) + 2y = 12$

$\frac{0}{2} + \frac{2y}{2} = \frac{12}{2}$

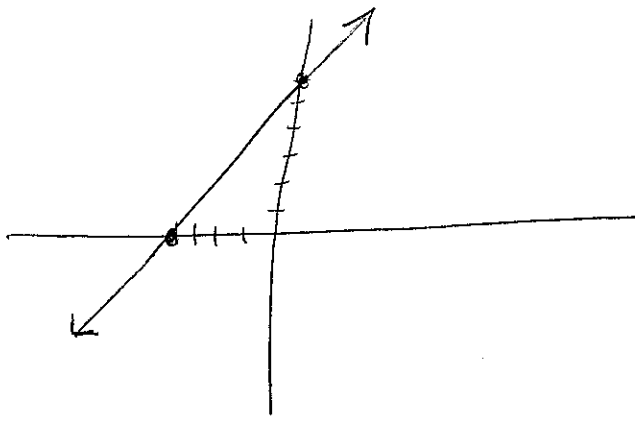
$y = 6$

let $y = 0$

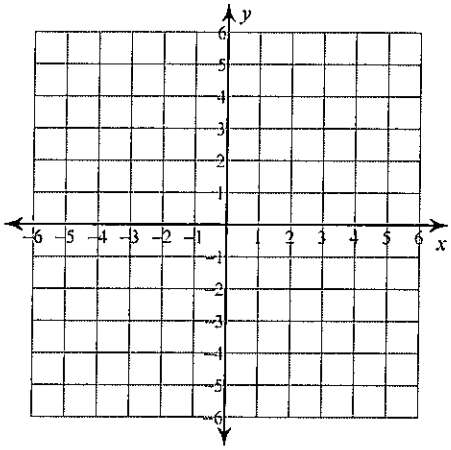
$-3x + 2(0) = 12$

$\frac{-3x}{-3} + 0 = \frac{12}{-3}$

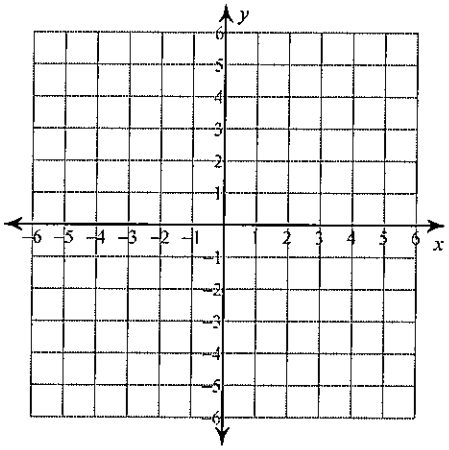
$x = -4$



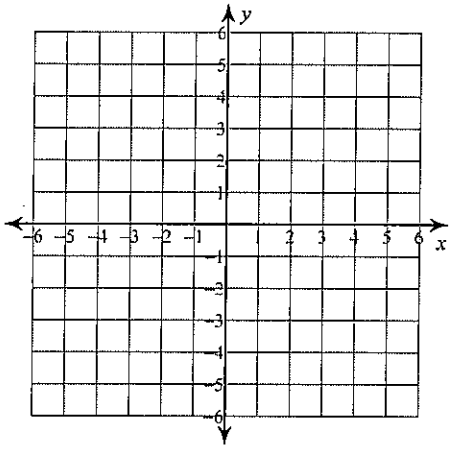
13) $y = 6x - 3$



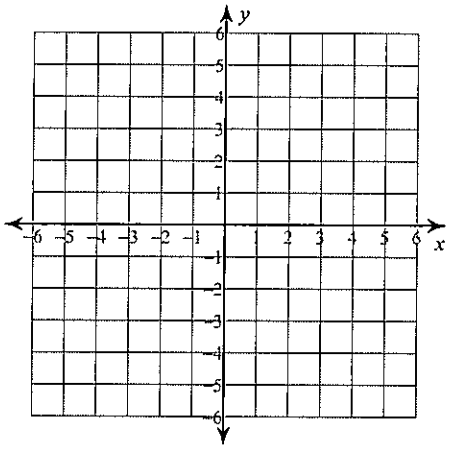
14) $y = -\frac{1}{2}x - 4$



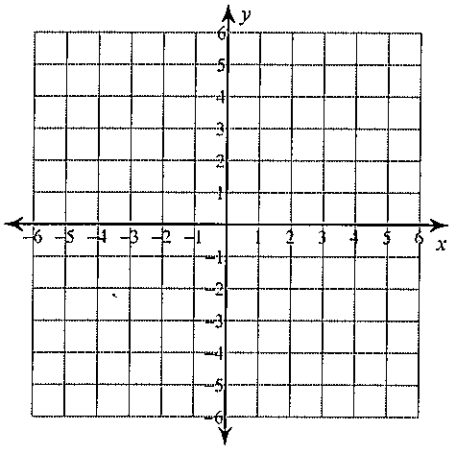
15) $5x - 2y = 10$



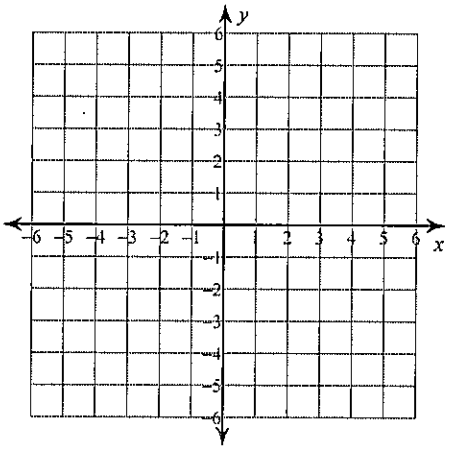
16) $2x - 5y = 10$



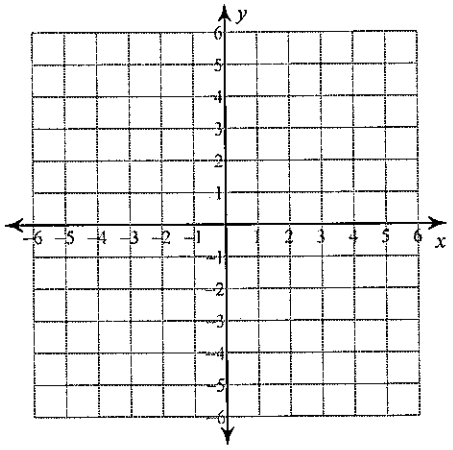
17) $2x + y = -4$



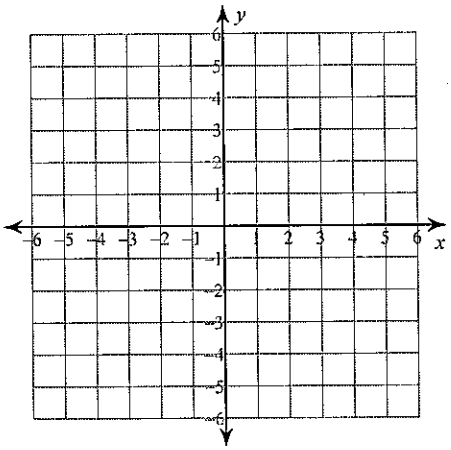
18) $x + y = 5$



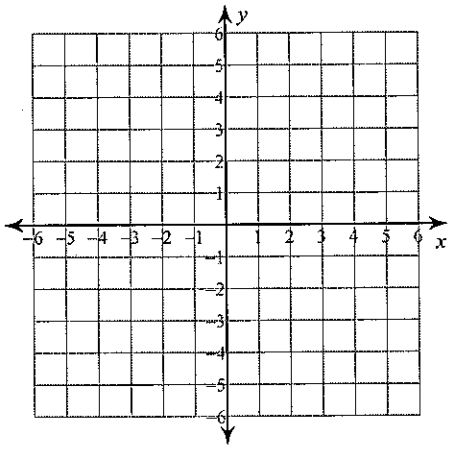
19) $x = 4$



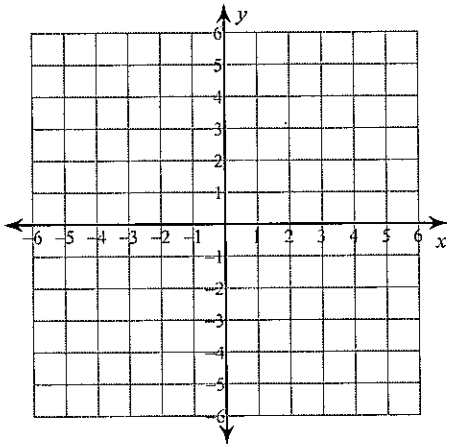
20) $x + y = 1$



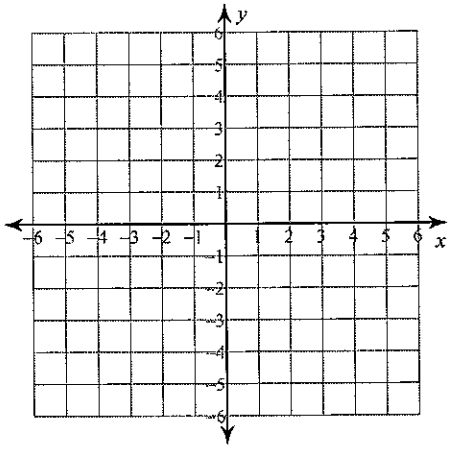
21) $x - 5y = 10$



22) $x + 2y = -4$



23) $x + 3y = 9$



24) $x + y = -3$