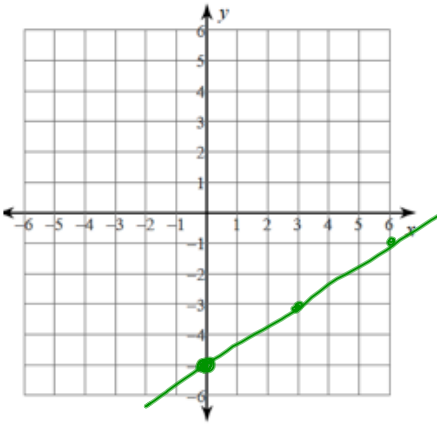


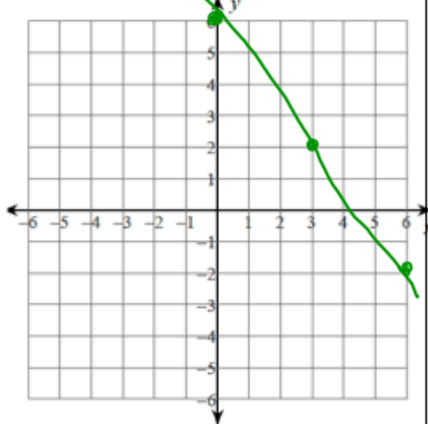
2.4 Practice Problems

Directions: Graph each and then compare to the equation $y = x$.

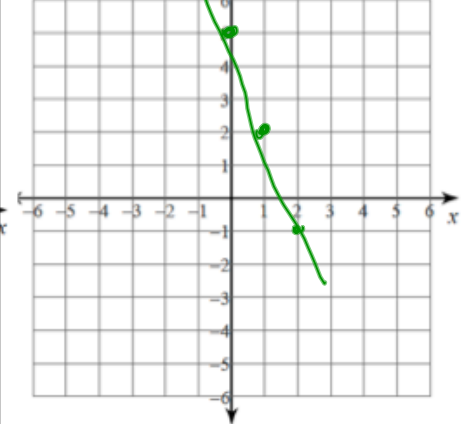
1) $y = \frac{2}{3}x - 5$



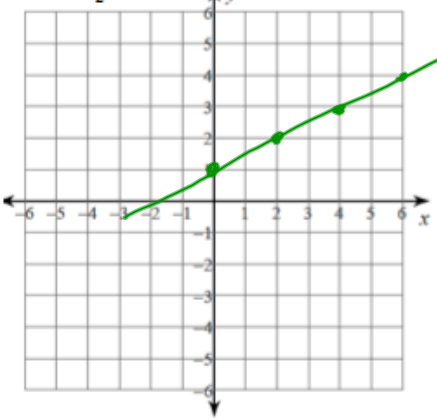
2) $y = -\frac{4}{3}x + 6$



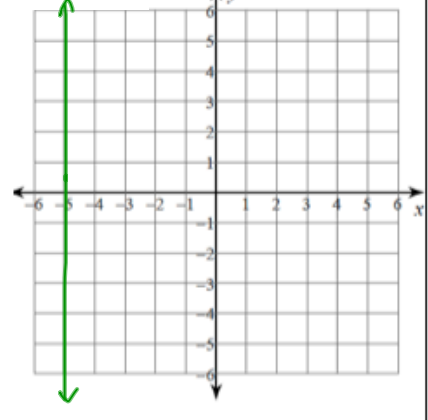
3) $y = -3x + 5$



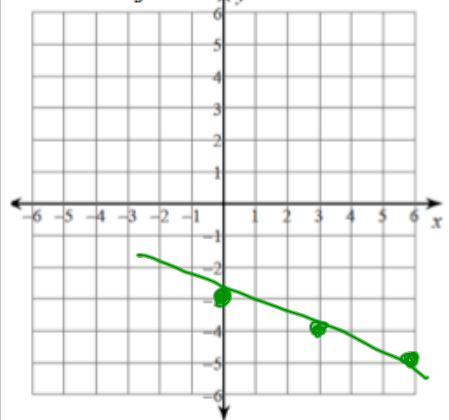
4) $y = \frac{1}{2}x + 1$



5) $x = -5$



6) $y = -\frac{1}{3}x - 3$

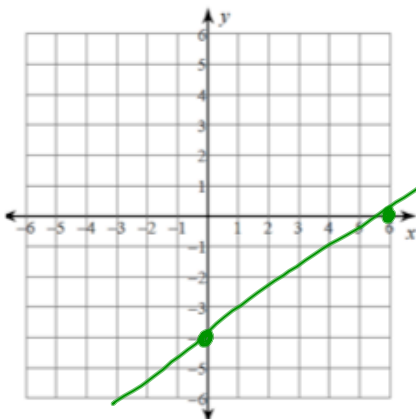


Directions: Find the intercepts and then graph.

7) $2x - 3y = 12$

$2x = 12$
 $x = 6$

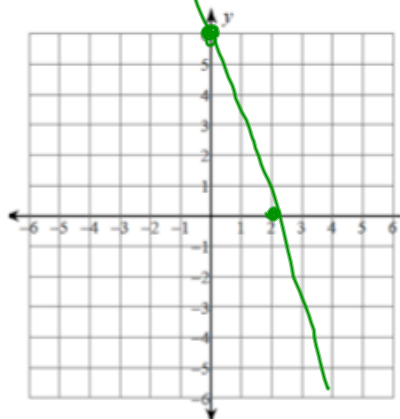
$-3y = 12$
 $y = -4$



8) $9x + 3y = 18$

$9x = 18$
 $x = 2$

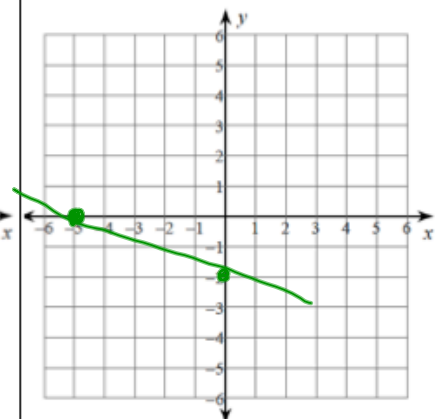
$3y = 18$
 $y = 6$



9) $2x + 5y = -10$

$2x = -10$
 $x = -5$

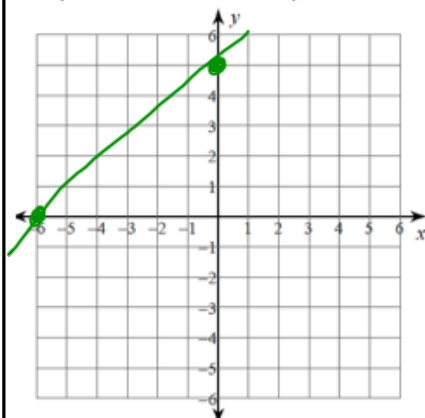
$5y = -10$
 $y = -2$



10) $5x - 6y = -30$

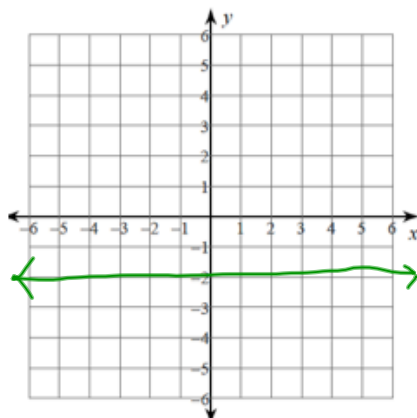
$5x = -30$
 $x = -6$

$-6y = -30$
 $y = 5$



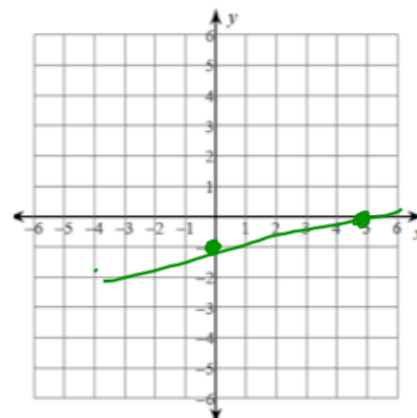
11)

$\frac{4y}{4} = \frac{-8}{4}$
 $y = -2$



12) $x - 5y = 5$

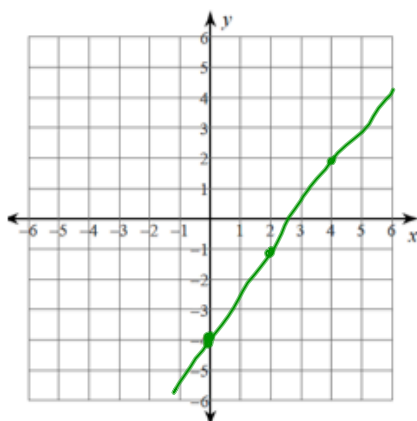
$x = 5$ $-5y = 5$
 $y = -1$



Directions: Graph by any method.

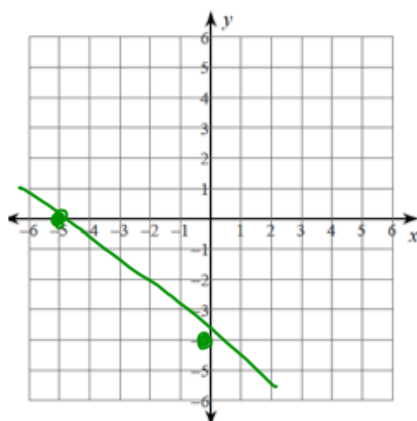
13) $3x - 2y = 8$

$\frac{-3x}{-3x} \quad \frac{-3x}{-3x}$
 $-2y = -3x + 8$
 $y = \frac{3}{2}x - 4$



14) $4x + 5y = -20$

$4x = -20$ $5y = -20$
 $x = -5$ $y = -4$



15) $5x - 4y = -12$

$\frac{-5x}{-5x} \quad \frac{-5x}{-5x}$
 $-4y = -5x - 12$
 $y = \frac{5}{4}x + 3$

