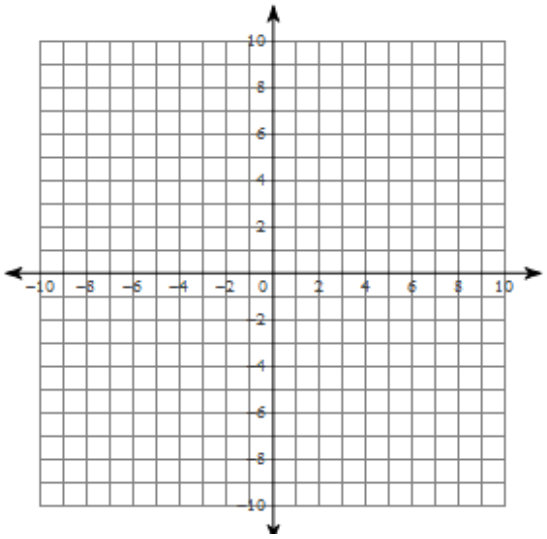
5.4 Slope Intercept Form $y = mx + b$ **NAME:_____**

Corrective Assignment **DATE:_____**

Graph both lines on the same graph. State the point in which the lines intersect. NOTE: All lines intersect at a "friendly" point!!!

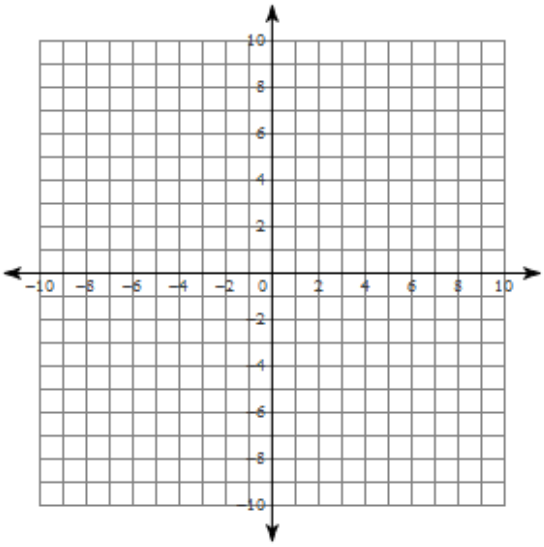
1) $y = -\frac{5}{2}x + 8$

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



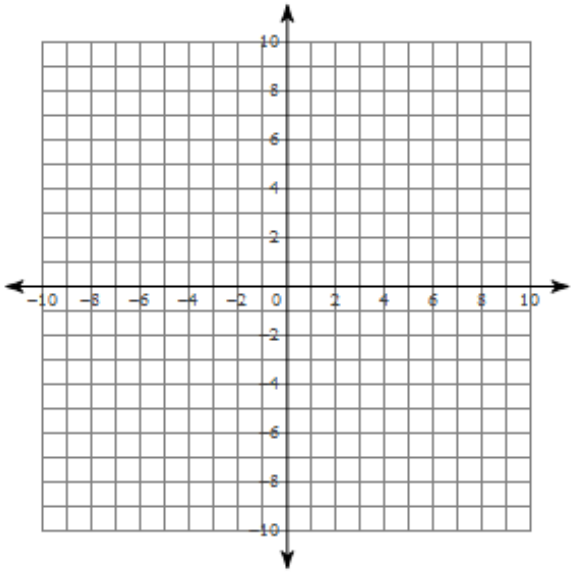
2) $x = -6$

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



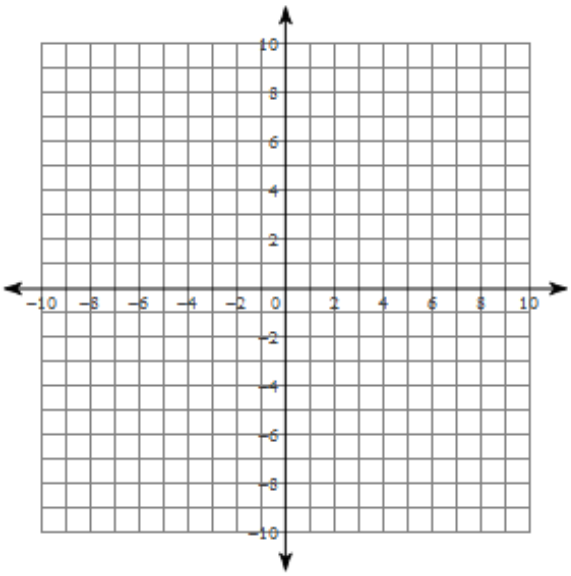
3) $y = -\frac{1}{4}x + 9$

$y = \frac{3}{4}x + 1$



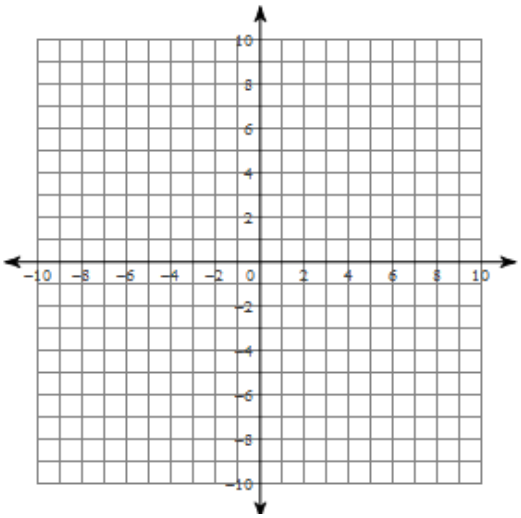
4) $y = -x - 2$

$y = -6x + 3$



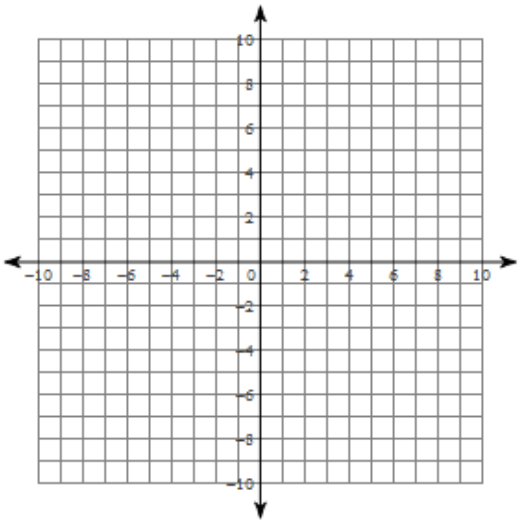
5) $y = \frac{1}{2}x - 9$

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



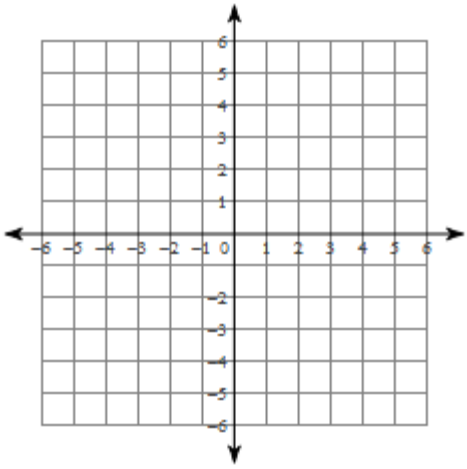
6) $y = 1$

$y = -\frac{5}{8}x - 4$

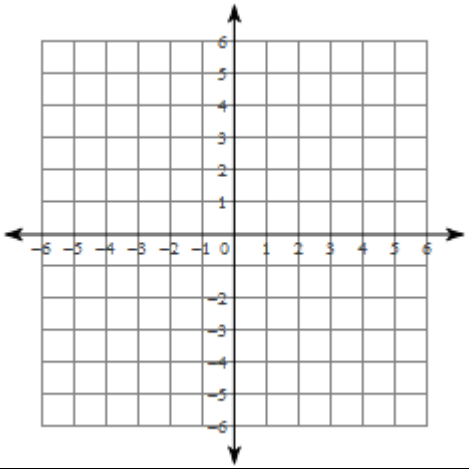


Solve each equation for *y*. Then graph the line.

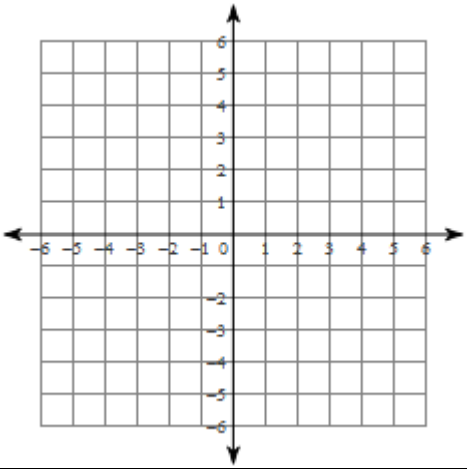
7) $2x + y = -2$



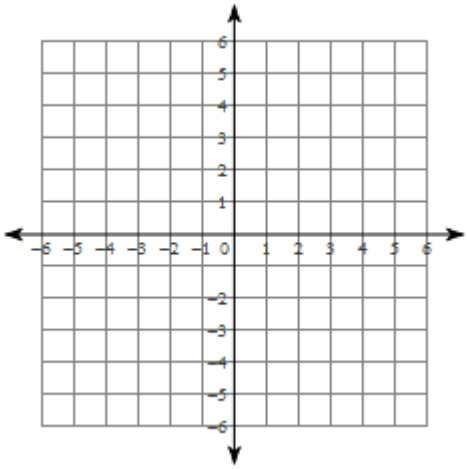
8) $5x + 4y = 16$



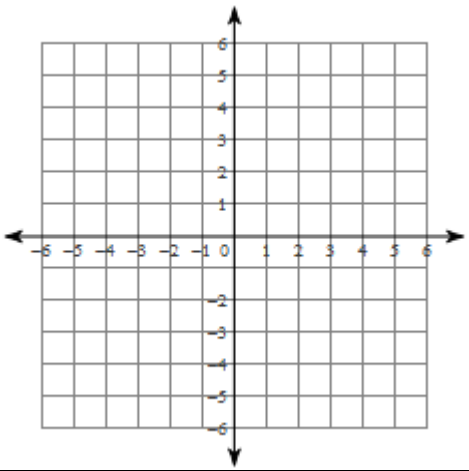
9) $x + 3y = -9$



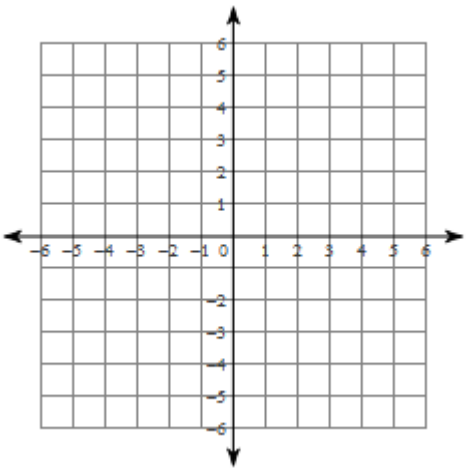
10) $4x - 5y = -15$



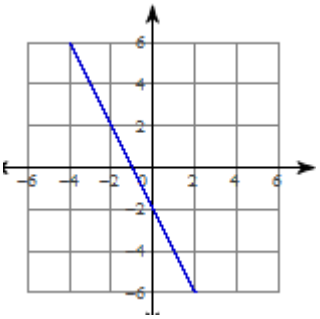
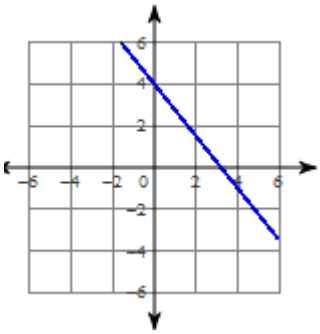
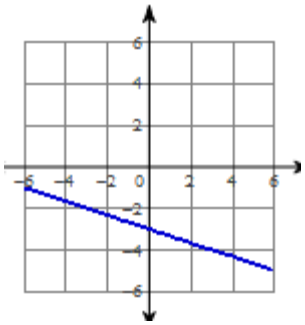
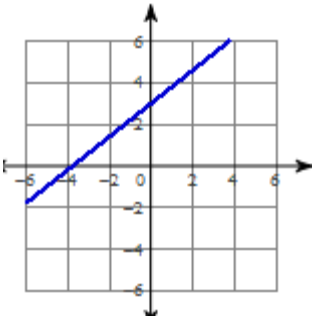
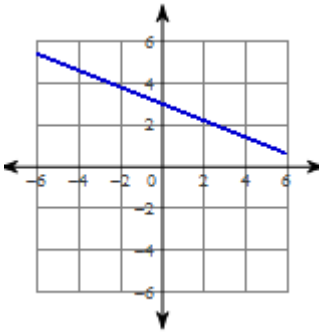
11) $2x + 5y = 15$



12) $2y = -5x - 8$



5.4 CORRECTIVE ASSIGNMENT ANSWERS!

1. (2,3)	2. (-6,4)	3. (8,7)
4. (1,-3)	5. (4,-7)	6. (-8,1)
7. $y = -2 - 2x$ 	8. $y = 4 - \frac{5}{4}x$ 	9. $y = -3 - \frac{1}{3}x$ 
10. $y = 3 + \frac{4}{5}x$ 	11. $y = 3 - \frac{2}{5}x$ 	12. $y = -\frac{5}{2}x - 4$