Date _____

Slope-Intercept Form

I. Solve for y.

$$4x + y = 3$$
$$4x - 4x + y = -4x + 3$$
$$y = -4x + 3$$

1. $x + y = 3$
2. $2x - y = 7$
3. $-6 + 2y = 10x$
4. $3y - 6x + 12 = 0$

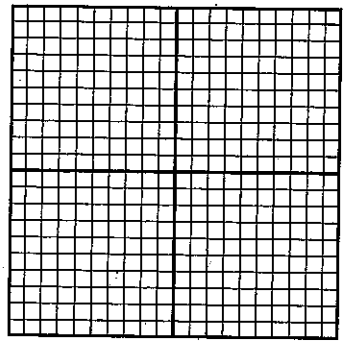
II. Solve for y; state the m and y_0.

$$9x - 3y = -6$$
$$y = 3x + 2$$
$$m = \frac{3}{1}$$
$$y_0 = 2$$

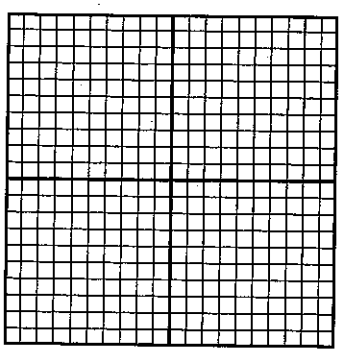
5. $2y - 6x = 2$
6. $y - 4x = -3$
7. $4y = 5x + 12$
8. $2x - 3y = 5$

III. Graph the line by 1.) solving for y 2.) using m and y_0.

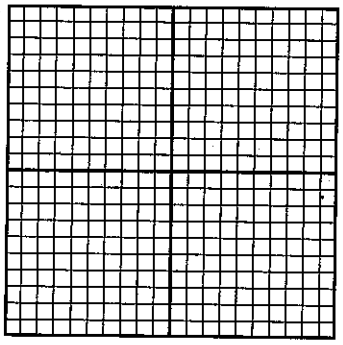
9. $4x + y = -8$



10. $y - 3x = -9$



11. $2x - 4y = -16$



12. $3x + 3y + 4 = 0$