Name: _____
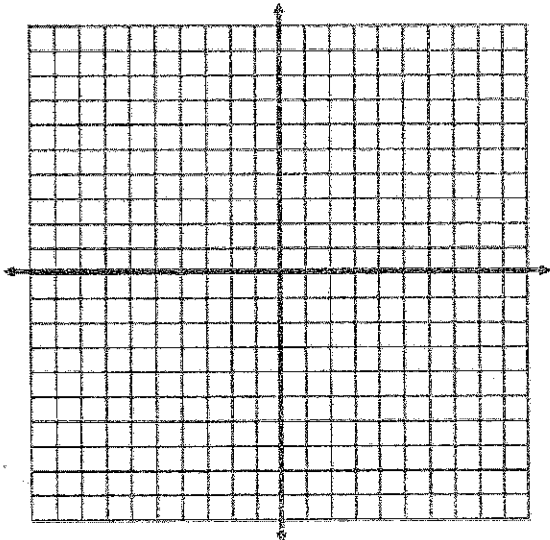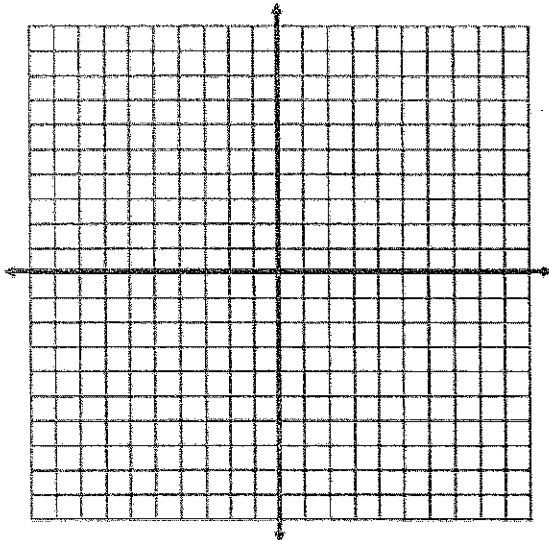
corrections page

What is slope intercept form? _____

What does the m represent: _____

What does the b represent: _____

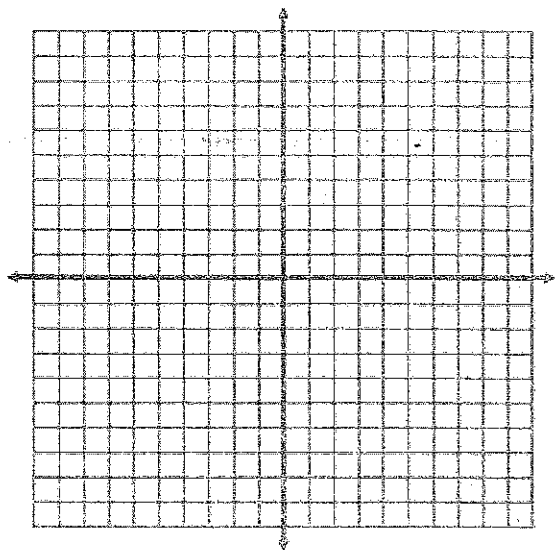Put each equation into slope intercept form. Leave any fractions as simplified improper fractions.

1. $y - 3x = 19$	2. $2y - 8x = 20$	3. $15 = -3y + 21x$
4. $5x - 6y = 22$	5. $-y = -7x + 32$	6. $7y + 42 = -14x$

Graph each equation. State the slope and y- intercept.

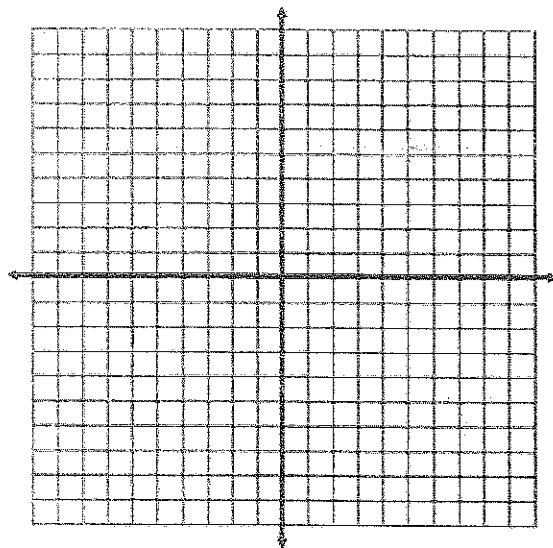|	
1. $y = 2x + 5$ Slope : _____ y- int: _____	2. $-y = \frac{2}{3}x + 4$ Slope : _____ y- int: _____

3. $3y - 4x = 12$

Slope : _____   y- int: _____

4. $5x + 2y = -10$

Slope : _____   y- int: _____

Write the equation of a line with the given information:

1. Slope of $-\frac{5}{3}$, through $(0, -4)$
2. Through the points $(-1, -9)$ and $(2, 6)$
3. Through the points $(-1, 10)$ and $(3, 2)$
4. Through the points $(3, 8)$ and $(-3, 4)$
5. Through the points $(-2, 27)$ and $(2, -9)$