Algebra 1 Name_____ ID: 1

Linear Equation Practice. Slope intercept, standard form and graphing.

Write the equation in slope intercept form. Then state the slope and y-intercept. $y = mx + b$

1) $0 = -x - 5 + 5y$

2) $-30 = 15x - 6y$

Slope:____ y-intr:____

3) $x = -3y + 9$

Slope:____ y-intr:____

4) $2y = -10 + 3x$

Slope:____ y-intr:____

5) $y - 3x + 1 = 0$

Slope:____ y-intr:____

Write equation in standard form. $Ax + By = C$, A must be positive integer.

6) $3y - 6 = x$

7) $\frac{15}{4} = -x + \frac{3}{4}y$

8) $-3x + 5 - 5y = 0$

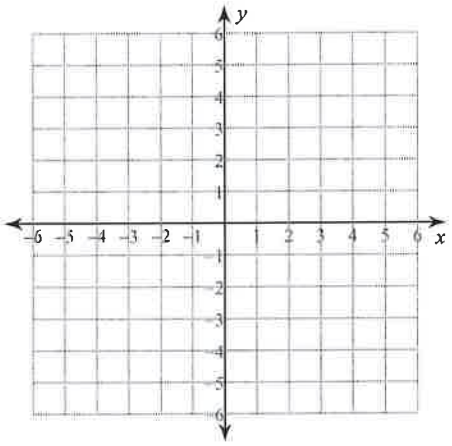
9) $4y = 4 - 3x$

10) $x = 5 + y$

11) $3x - 5y = -10$

Sketch the graph of each line. State the slope and y-intercept.

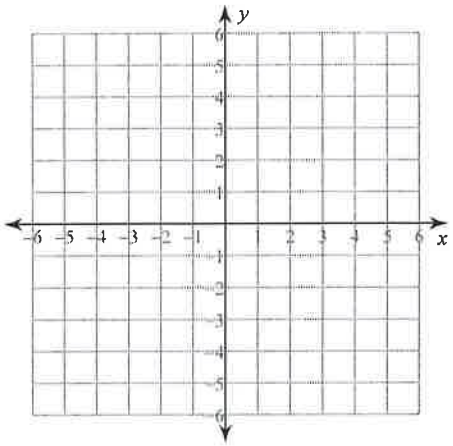
12) $y = \frac{2}{3}x - 1$



slope: _____

y-intr: _____

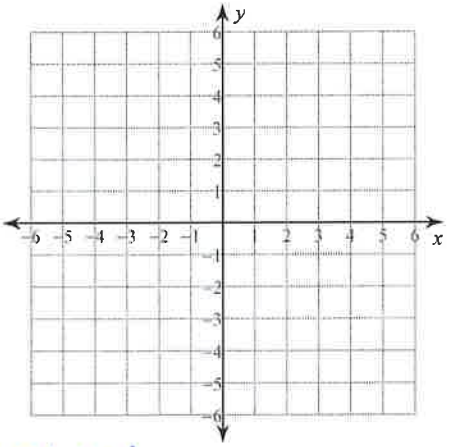
13) $y = -\frac{3}{4}x - 2$



Slope: _____

y-intr: _____

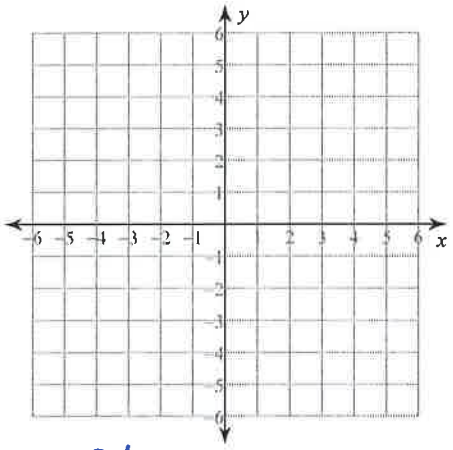
14) $-y = x - 4$



Slope: _____

y-inter: _____

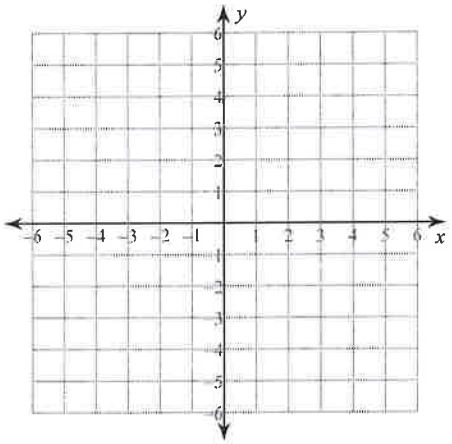
15) $1 - \frac{3}{5}x = y$



Slope: _____

y-inter: _____

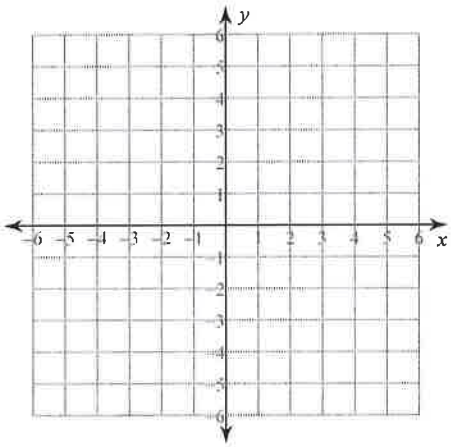
16) $-y - 1 = 0$



Slope: _____

y-intr: _____

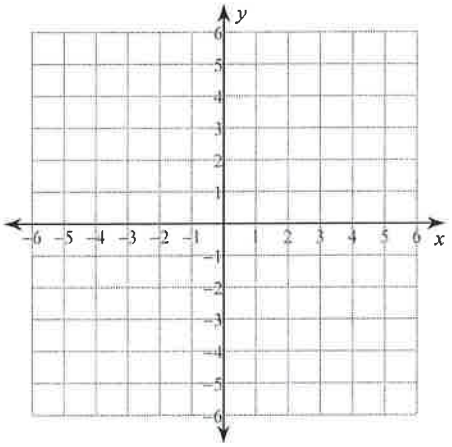
17) $y + 8x - 4 = 0$



Slope: _____

y-inter: _____

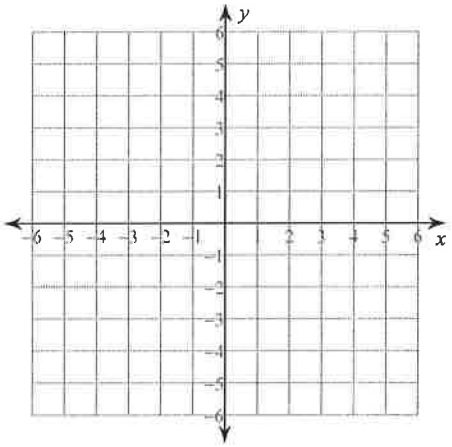
18) $12 = -6y - 14x$



Slope: _____

y-inter: _____

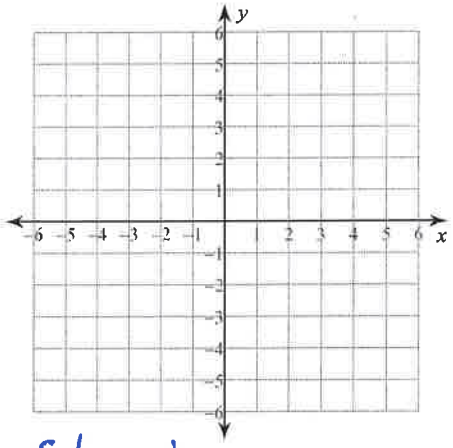
19) $-16 + 5x = 4y$



Slope: _____

y-inter: _____

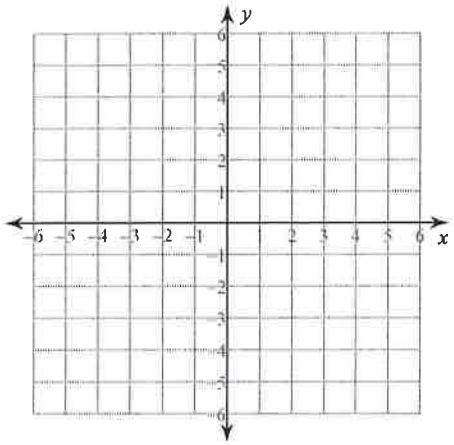
20) $y = -\frac{1}{4}x$



Slope: _____

y-inter: _____

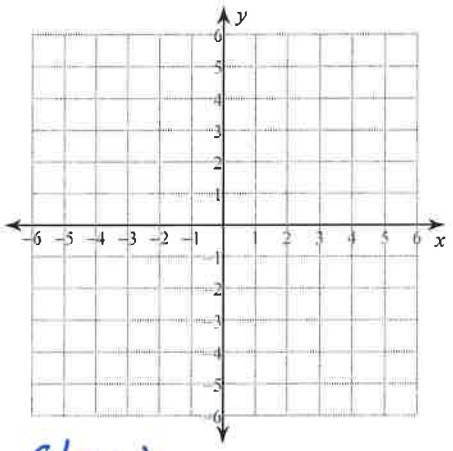
21) $y = x - 4$



Slope: _____

y-intr: _____

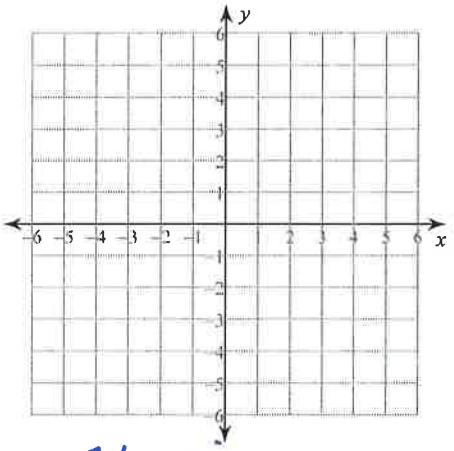
22) $x = 2$



Slope: _____

y-intr: _____

23) $y =$ X



Slope: _____

y-inter: _____

24) Discribe how you would graph the following equation. Where would you start?
y= 2/3 X +6