

The equation is said to be in

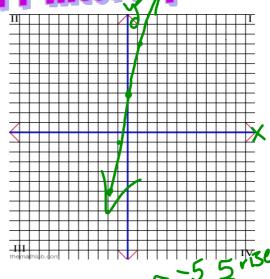
Slope-Intercept Form

- m = Slope
- b = y-intercept



Find the Slope and Y-intercept

y = 5x + 4

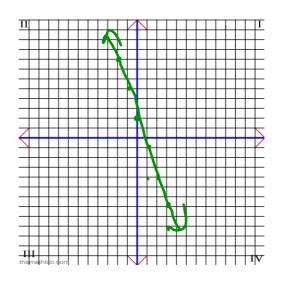


Slope(m):

y-intercept(b): 4 3 3 w

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

$$y = -3x + 2$$



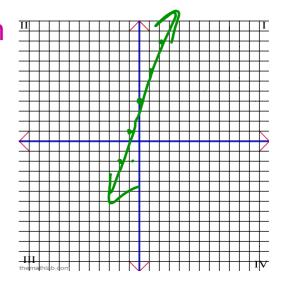
Slope(m): $-\frac{3}{4}$ $+\frac{3}{4}$ y-intercept(b): $\frac{2}{4}$

Find the slope and y-intercept, then graph

$$2y = 6x + 8$$

$$3x + 4$$

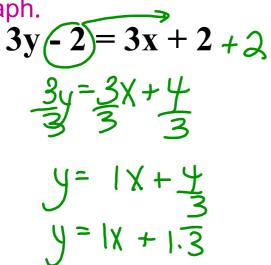
$$4 = 3x + 4$$

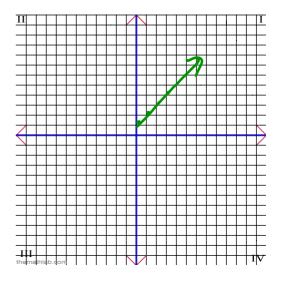


Slope(m): $\frac{3}{1}$ $\frac{\xi}{\xi}$ $\frac{-3}{-1}$

y-intercept(b): 4

Find the slope and y-intercept, then graph.





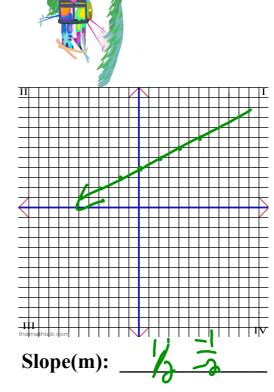
y-intercept(b): ______

Graph the following equation.

$$y + 3 = 1/2x + 7 - 3$$

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

b) State the paratle slope of the equation.



y-intercept(b): 4

State the perpendicular slope of the equation

$$2(y-4) = 4x - 8$$

$$2y-8 = 4x - 8$$

$$2y = 4x + 0$$

$$y = 2x + 0$$

$$3y = 4x - 8$$

$$y = 4x - 8$$

$$3y = 4x - 8$$

$$4x - 8$$

State the perpendicular slope of the equation

$$3(y-2)=5x-8$$

State the slope and y-int, then graph.

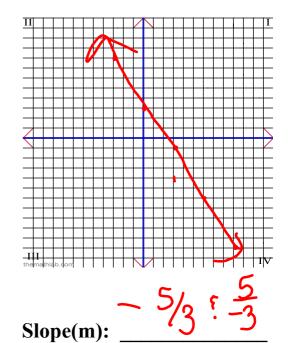
$$3-5x = 3y-6$$

$$3y-6 = 3-5x + 6$$

$$3y^2 - 5x + 9$$

$$y = -5x + 3$$

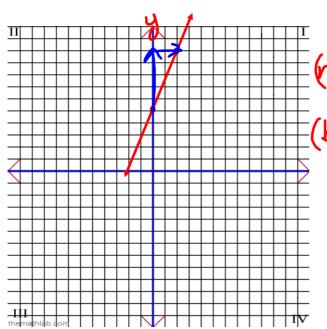
$$y = -5x + 3$$



b) State the perpendicular slope of the equation.

$$\frac{5}{3} = +3$$

y-intercept(b): 3

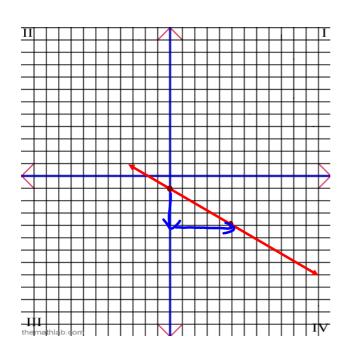


(m) Slope : 5/2

(b) y-int: ______

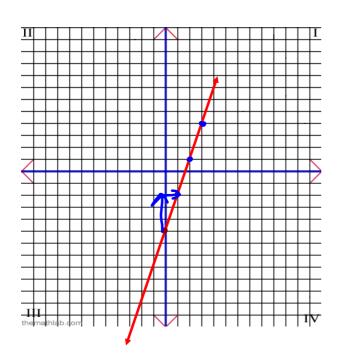
Equation: <u>y=mx+b</u>

y={x+5



- **Slope**: _______
- **b** y-int : _____

Equation: y = mx + 6 $y = -\frac{3}{5}x - 1$



Slope: 3

y-int: ________

Equation: y = 3x - 5y = 3x - 5