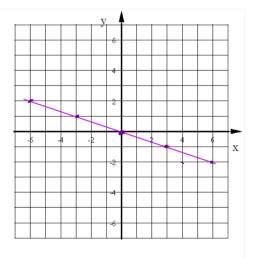
#### Get a sheet of graph paper and a ruler.

Graphing Lines written in any form.

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

## Slope-Intercept Form

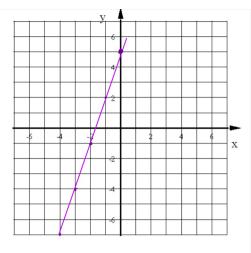
The y-intercept is 0.



#### Graph each line.

1. 
$$y = 3x + 5$$

## Slope-Intercept Form

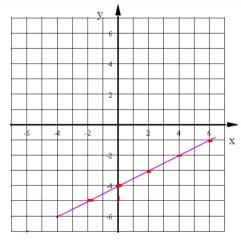


3. 
$$y + 3 = \frac{1}{2}(x-2)^{-3}$$

## Point-Slope Form

You could rewrite this into Slope-Intercept Form and graph

Or you could use the equation to find a point and the slope then use these to graph the line



4. 
$$y-3 = 4(x+5)$$

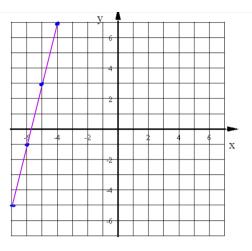
### Point-Slope Form

If you change this to Slope-Intercept Form the y-intercept won't fit.

$$J^{-3} = 4x + 20$$

$$+3 + 3$$

Therefore use the equation to find a point and the slope then use these to graph.

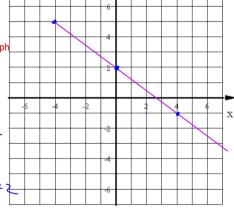


# 6. 3x + 4y = 8Standard Form

You could find the x and y intercepts to graph but the x-intercept would have to be

$$\times$$
-1 $\pi$ T =  $\frac{8}{3}$ 



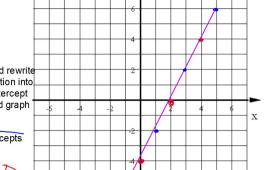


$$5. \ \, \underset{-(8x)}{18x} - 9y = 36$$

#### Standard Form

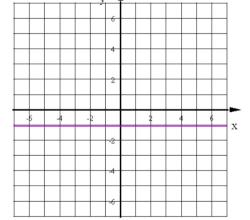


You could rewrite the equation into Slope-Intercept Form and graph



You could find the x&y intercepts and graph

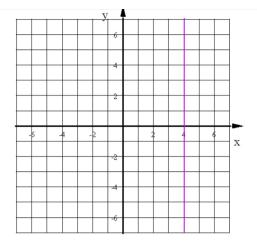




# Horizontal Line

8. x = 4

Vertical Line



You can now do Hwk #28

Practice Sheet - graphing lines.

$$9..7y = 14$$

divide both sides by 7

Horizontal Line

