## Linear Equations - Slope-Intercept Form



Identify the slope and y-intercept of each equation
(HINT: Make sure the equation is in slope-intercept form!)
$y=3 x+5$
$\mathbf{y}={ }_{2}^{1} \mathbf{X}$
$y=-x$
$y=3$
$X=\mathbf{- 5}$
$\mathbf{y}=-\frac{3}{4} \mathbf{x}-\frac{5}{4}$
$2 y=4 x+8$
$3 y=x+2$

## Graphing - Slope-Intercept Form

Make sure the equation is in slope-intercept form
2. Identify the slope and y-intercept
3. Graph the $y$-intercept on the $y$-axis
4. Graph two points using the slope (make sure to write directions beiore graphing)


Graph the following equations on the same graph below.

1. $y=2 x-3$
2. $x=3$
3. $y=-\frac{3}{4} x+6$
4. $y=-x+5$
5. $y=\frac{1}{2} x$
6. $y=-2$
7. 



