

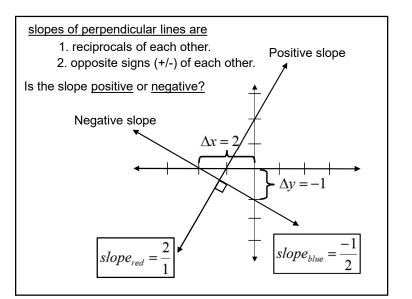
What is the slope and y-intercept of the following equation?  

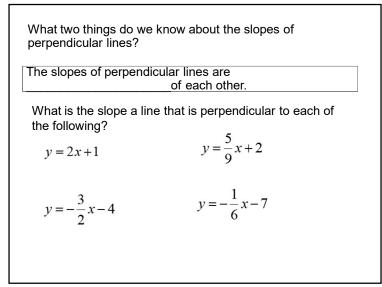
$$2x - 3y = 6$$
 Convert the following equation  
to "slope intercept form"

Re-write slope intercept form as standard form y = 2x + 2 Slope-intercept  $\rightarrow$  standard form Parallel  $\rightarrow$  same slope y = mx + b

<u>Write the equation of a line that is parallel</u> to the line y = 2x + 1 and passes through the point (0, 4)

<u>Write the equation of a line that is parallel</u> to the line y = 3x - 4 and passes through the point (3, 8)





Find the <u>slope intercept form</u> of a line that is perpendicular to the line: y = 2x - 6 and passes through the point (0, 1) Find the <u>slope intercept form</u> of a line that is perpendicular to the line:  $y = \frac{1}{5}x - 8$  and passes through the point (5, 2)