**6.4 Slope-Intercept Form of the Equation of a Linear Function**

Given x + y = 2 a. isolate y

 b. graph

 c. slope

 d. y-intercept

Slope y-intercept form **y = mx + b**

ex.1 Write an equation of a line with slope $\frac{3}{5}$ and y-intercept -4.

ex.2 What is the slope and y-intercept of the following equations

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

Graphing using slope and y-intercept

ex.1 y = $\frac{1}{3}$x – 1

ex. 2 y = - $\frac{3}{4}$x + 2

**Homework**