Module 4 – Linear Functions and Their Graphs
Lesson 4 – Linear Function: Its Equation and Graph
Homework 1

Name _____

Solve for the *x-intercept* and *y-intercept* of each equations.
Write each intercept as a coordinate. Show all work.

1. $3y = -2x + 6$

2. $3y = 7x - 8$

3. $15 + 3x = 2y$

4. $2y = 2x + 4$

5. $x + y = 2$

Solve for the equation of the line given the following conditions. Write each answer in standard form.

1. Line passing through the points (-1, -5) and (3, 2).

2. Line passing through (2, 5) with a slope of $\dfrac{2}{5}$.

3. Line with a slope of $\dfrac{1}{4}$ and y-intercept of 2.

4. Line passing through the points (1, -3) and (2, 6).

5. Line passing through (-1, 6) with a slope of $\dfrac{3}{4}$