

Module 4 – Linear Functions and Their Graphs
Lesson 4 – Linear Function: Its Equation and Graph
Homework 2

Name _____

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

1. $4x + 5y = 20$

2. $5x - 8y = 40$

3. $36 + 4x = 3y$

4. $-y = -3x + 21$

5. $x + y = -11$

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

1. Line having an x-intercept of 3 and y-intercept of 7

2. Line passing through (0, -7) and (2, 0).

3. Line passing through (-1, 6) having a slope of $\frac{3}{4}$

4. Line having a slope of $\frac{2}{7}$ and y-intercept of -3

5. Line having an x-intercept of 5 and y-intercept of -4

6. Line passing through the points (-5, 0) and (-3, -1)