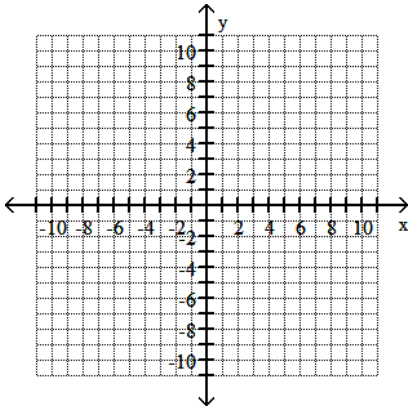
MAT 1033 Class Worksheet 2 **Name** _____

Must show all steps and all work to earn full credit.

Graph the line.

1) Through (-2, -7), m = 6



Find the slope and the y-intercept of the line.

2) 5x + 9y = 38

Two points are given from each of two lines L_1 and L_2.
Determine if the lines are perpendicular, parallel, or neither.

3) L_1: (-4, 4) and (1, 9)

L_2: (-4, 5) and (2, -1)

Determine whether the graphs of the equations are parallel lines, perpendicular lines, or neither.

4) 6x + 2y = 8
15x + 5y = 23

Graph the equation by using the slope and y-intercept.

5) 2x - 3y = 6