

Math 112 (Fall 2009) Quiz 3 (20 points)

Name: _____

Discussion 11:00 12:05

1. (10 points) Find the equation of the line that passes through (3,7) and is perpendicular to the line $2x - 3y + 2 = 0$. Give your answer in slope-intercept form.

2. (10 points) Find the center and the radius of the circle given by

$$x^2 + y^2 - 4x + 12y = 0$$