121-G12 Quiz 3, S 1.3, 1.4
Fall, 2012 Name_____

1. 1.3 *Determine the center and radius of each circle and sketch the graph.*

37. $y^2 = 25 - (x + 1)^2$

2. 1.3 *Write the standard equation for each circle.*

43. Center at $(-2, 5)$ with radius $1/2$

3. 1.3 *Determine the center and radius of each circle and sketch the graph. See the rule for completing the square on page 108.*

52. $x^2 + y^2 = 4x$

4. 1.3 *Graph each equation in the rectangular coordinate system.*

85. $y - 1 = 0$

86. $5 - x = 4$

5. 1.4 *Find an equation of the line through the given pair of points. I want to see the line expressed in all three forms:*

i. *Point-Slope*
ii. *Slope-Intercept*
iii. *Standard (with integer coefficients)*

20. $(-2, 1), (3, 5)$

6. 1.4 *Find equations of the line described. Again, give its equation in all three forms.*

80. The line perpendicular to $y = 9x + 5$ and containing $(5, 4)$