Math 1140F - Fall 2014 Name:_____

Quiz 2

1. (1 point) Solve $|x+4|+3<5$. Write your answer in interval notation.

2. (2.5 points) Find the center and radius of the circle given by the equation $2x^2+2y^2-12x+8y-24=0$.

3. Let $P_1=(-2,3)$ and $P_2=(2,1)$.
   (a) (0.5 points) Find the distance between P_1 and P_2.

   (b) (0.5 points) Find the midpoint between P_1 and P_2.

   (c) (0.5 points) Find the equation of the line containing P_1 and P_2.