Chapter 9 Quiz Review #1

1) Graph \((x + 1)^2 + (y - 3)^2 = 9\)

2) Graph \(x^2 + 8x + y^2 - 2y = 64\)

3) Graph \(\frac{x^2}{1} + \frac{(y + 2)^2}{9} = 1\)

4) Graph \(4x^2 + 9y^2 - 32x + 36y + 64 = 0\)

5) Find the equation of a circle that has a diameter with the endpoints given by the points \((10, 15)\) and \((-6, -15)\)

6) Give the equation of the circle whose center is \((3, -7)\) and goes through \((-2, 5)\)

7) Write equation for the ellipse.
   Endpoints of major axis \((-2, 10)\) and \((-2, -4)\)
   Endpoints of minor axis \((3, 3)\) and \((-7, 3)\)