Chapter 9 Test Review 2

Graph each conic section.

1) \( x^2 + y^2 = 25 \)

2) \( x^2 + y^2 + 24x + 10y + 160 = 0 \)

3) \( 4x^2 + 9y^2 + 24x - 36y + 36 = 0 \)

4) \( 4x^2 - 25y^2 - 8x - 100y - 196 = 0 \)

5) \( y = \frac{-1}{12} (x - 2)^2 \)

6) Find the equation of a circle that has a diameter with the endpoints given by the points (-17, -9) and (-19, -9)

7) Find an equation for the circle centered at (14, 17) and passing through the point (15, 17)

8) Write equation for the ellipse.
   Endpoints of major axis (4, 18) and (4, -4)
   Endpoints of minor axis (12, 7) and (-4, 7)