

Number:

Textbook Section:

Title:

Def: A circle is

1. Sketch the graph of $(x-3)^2 + (y+4)^2 = 25$.

2. Find the center and radius of the circle given by $x^2 + y^2 + 6x - 4y + 9 = 0$. Sketch the graph of the circle.

3. Find equation of the circle with endpoints of a diameter at $(1, 4)$ and $(-3, 2)$.