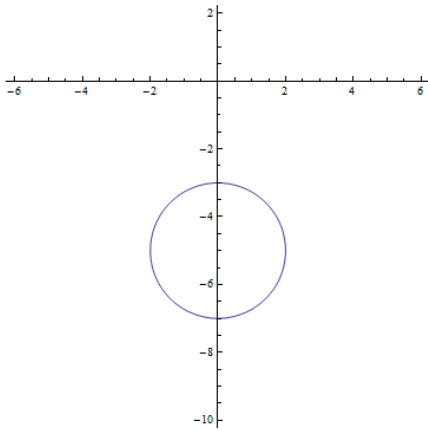


2a)

$$x^2 + (y + 5)^2 = 4$$

The center: $x = 0, y = -5$

The radius: $R = 2$



2b)

$$x^2 - 6x + y^2 + 14y + 33 = 0$$

$$x^2 - 6x + 9 - 9 + y^2 + 14y + 49 - 49 + 33 = 0$$

$$(x - 3)^2 + (y + 7)^2 = 25$$

The center: $x = 3, y = -7$

The radius: $R = 5$

