

If coordinates of the center of the circle are (x_0, y_0) and radius of the circle is R then equation of the circle is such:

$$(x - x_0)^2 + (y - y_0)^2 = R^2$$

In our case:

$$x_0 = 3.14$$

$$y_0 = -\frac{1}{2}$$

$$R = \sqrt{17}$$

Substituting this into circle equation we get:

$$(x - 3.14)^2 + \left(y - \left(-\frac{1}{2}\right)\right)^2 = \sqrt{17}^2$$

Simplifying:

$$(x - 3.14)^2 + \left(y + \frac{1}{2}\right)^2 = 17$$