

Equation of a Circle: Question 4

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$$d = \sqrt{(-4-3)^2 + (0)^2} \quad (1)$$

$$d = 7 \quad (2)$$

$$\text{center}_{\circ_Q} = (\frac{3-4}{2}, \frac{0}{2}) \quad (3)$$

$$\text{center}_{\circ_Q} = (-0.5, 0) \quad (4)$$

$$\circ_Q(x, y) \rightarrow (x + \frac{1}{2})^2 + y^2 = \frac{49}{4} \quad (5)$$