

Circle Graph

The general equation for a circle with centre $(0, 0)$ and radius r is $x^2 + y^2 = r^2$

Example

The circle with equation $x^2 + y^2 = 9$ has:

- radius 3
- centre $(0, 0)$

$$r^2 = 9$$

$$r = \pm\sqrt{9}$$

$$= \pm 3$$

The radius of the circle is 3

