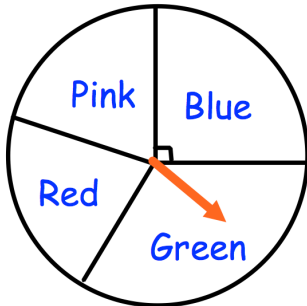


Find the equation of the circle.



Work out the angle of the green sector

The spinner above is spun twice.

The probability of getting two greens is  $\frac{4}{25}$

The spinner is spun another three times.

Work out the probability of obtaining one green and two blues.

A sequence of numbers is formed by the iterative process of

$$a_{n+1} = (a_n)^3 - (a_n)^2$$

$$a_1 = 2$$

Find

$$a_3$$

Write

$$\frac{1}{1 + \frac{1}{\sqrt{3}}}$$

in the form  $a + b\sqrt{3}$