



Work out  $9^{\frac{1}{2}}$

$$9^{\frac{1}{2}} = 3$$

Simplify  $6x^0$

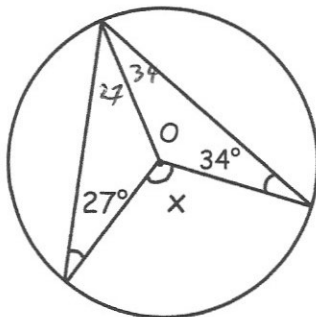
$$6 \times 1 = 6$$

A coin is flipped three times.

What is the probability of getting exactly two tails?

$$\begin{aligned} TTH & \frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} = \frac{1}{8} \\ THT & \frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} = \frac{1}{8} \\ HTT & \frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} = \frac{1}{8} \end{aligned}$$

$$\frac{3}{8}$$



Find  $x$

$$180 - 27 - 27 = 126^\circ$$

$$180 - 34 - 34 = 112^\circ$$

$$360 - 126 - 112 = 122^\circ$$

Tahir has drawn a regular polygon.  
He says the exterior angle is  $14^\circ$

Explain why Tahir is incorrect.

$360^\circ \div 14$  is not an integer.

Solve, to one decimal place,

$$5x^2 + 2x - 1 = 0 \quad \begin{aligned} a &= 5 \\ b &= 2 \\ c &= -1 \end{aligned}$$

$$\frac{-2 \pm \sqrt{4 - (-20)}}{10} \quad c = -1$$

$$x = 0.3$$

or

$$x = -0.7$$