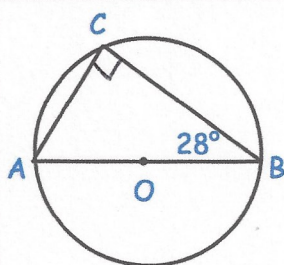


22nd August



Corbettmaths



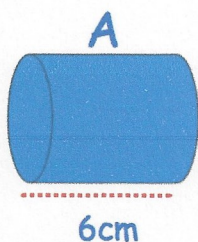
AOB is the diameter of the circle.

Write down the size of angle ACB

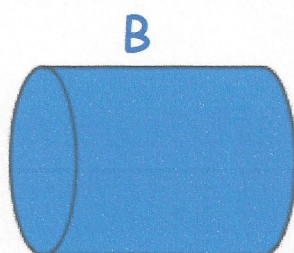
90°

Find the size of angle BAC

62°



6cm



The surface area of A is 500cm<sup>2</sup>  
The surface area of B is 2000cm<sup>2</sup> } x4

The length A is 6cm. } x2

Find the length of B.

12cm

A ball is dropped from h metres.  
After each bounce the ball reaches 60% of its previous height.  
After its third bounce it reaches a height of 0.648m.

Find h

$$y \times 0.6 \times 0.6 \times 0.6 = 0.648$$

$$y = \frac{0.648}{0.6^3}$$

$$y = 3m$$

$$(x + 4)^2 \equiv x^2 + 8x + 16$$

$$(x + 4)^2$$

$$(x + 4)^2 < 10$$

$$(x + 4)^2 = x - 3$$

Circle the expression

Factorise  $2x^2 + 5x + 2$

$$(2x + 1)(x + 2)$$