



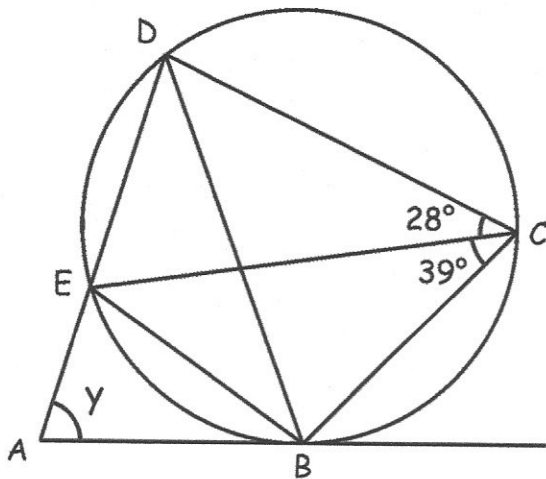
Factorise fully

$$3x^2 - 48$$

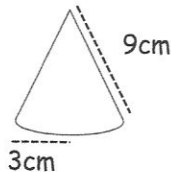
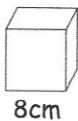
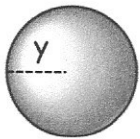
$$3(x^2 - 16)$$

$$3(x - 4)(x + 4)$$

AB is a tangent to a circle.
AED is a straight line.



Work out the size of angle y.



Find y.
Give your answer to 1 decimal place.

The surface area of the sphere is equal to the sum the surface areas of the cone and cube.

Height (m)	Frequency
$0 < h \leq 2$	1
$2 < h \leq 4$	11
$4 < h \leq 6$	5
$6 < h \leq 8$	3

19
20

Two trees are selected at random.

What is the probability they are both over two metres?

$$\frac{18}{20} \times \frac{18}{19} = \frac{9}{10}$$

$$0.9$$