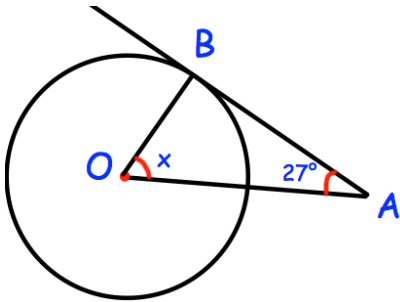


14th April



Corbettmaths



AB is a tangent
Find x

The force, F newtons, exerted by a magnet on a metal object is inversely proportional to the square of the distance d cm.

When $d = 2$ cm, $F = 50$ N.

(a) Express F in terms of d .

(b) Find the force when the distance between the magnet and metal object is 10cm

(c) Find the distance between the magnet and metal object when the force is 8N.

Evaluate

$$27^{2/3}$$

Find the size of angle y

