

8th January

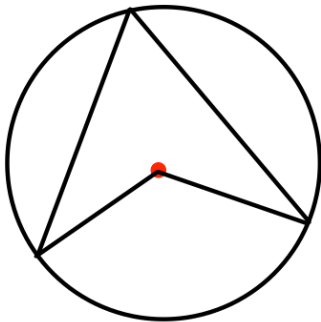


Corbettmaths

Solve the simultaneous equations

$$x^2 + y^2 = 9$$

$$y = x + 3$$

Find the coordinates where  
 $y = 2x^2 - 7x + 3$  crosses each axis.Sketch  $y = \tan x$  for  $0 \leq x \leq 360$ Prove that the angle at the centre is  
twice the angle at the circumference.

Given that

$$125^x = 25^{x+5}$$

Find  $x$