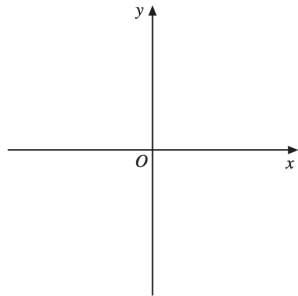


19th October

Corbettmaths

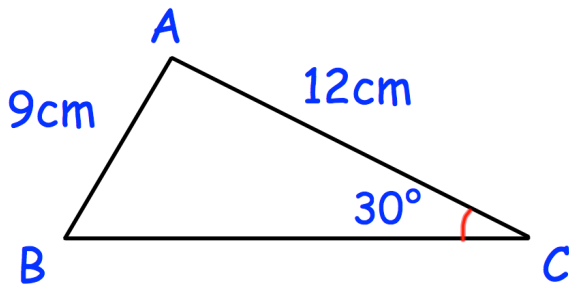
A circle has equation $x^2 + y^2 = 25$

Find the area of the circle

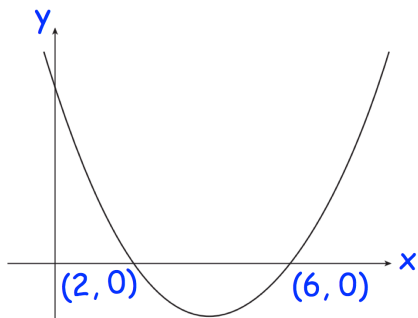


Sketch

$$y = 3^x$$



Find angle BAC



Shown is the curve with equation $y = x^2 + ax + b$

Find a and b

Solve the simultaneous equations

$$x^2 + 3xy = 10$$

$$x + 2y = 3$$