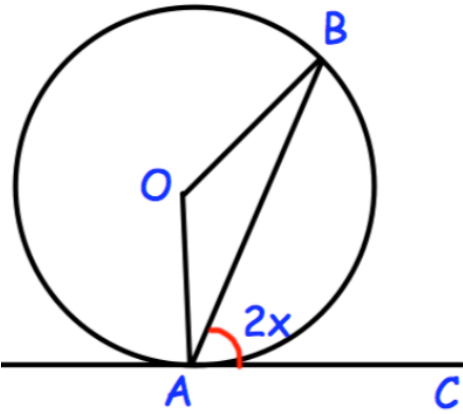


29th March

Corbettmaths

A and B are points on the circumference of a circle, centre O.



AC is a tangent to the circle.
Angle BAC = $2x$

Prove that angle AOB = $4x$

Give reasons for each stage of your working.

Solve

$$8^{0.5y} \times 32 = 4^{9-5y}$$

Factorise fully $x^3 - 6x^2 + 11x - 6$