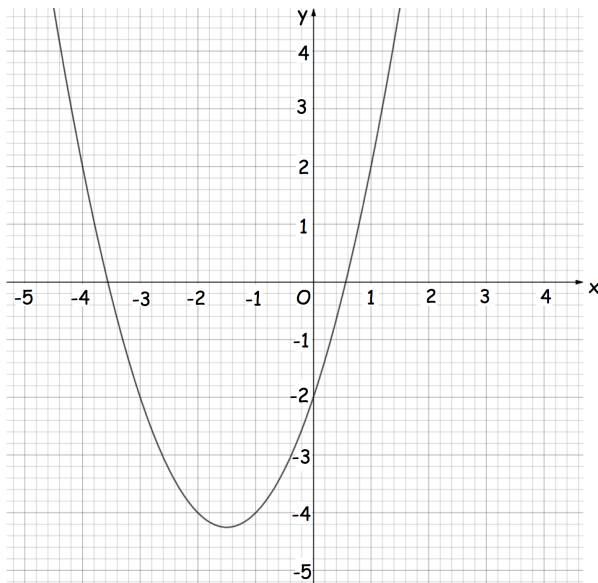


22nd May



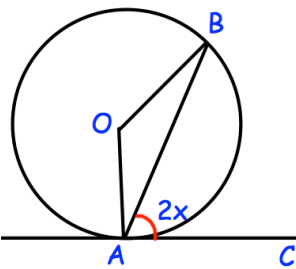
Corbettmaths



$f(y) = -2$

Find the possible values of y

Find $ff(0)$



A and B are points on the circumference of a circle, centre O.
 CA is a tangent to the circle.
 Angle CAB = $2x$

Prove that angle AOB = $4x$
 Give reasons for each stage of your working.

A circle has an equation of $x^2 + y^2 = 5$

Q $\left(\frac{4}{3}, \frac{\sqrt{29}}{3}\right)$ is a point on the circle.

Find the equation of the tangent to the circle at the point Q.