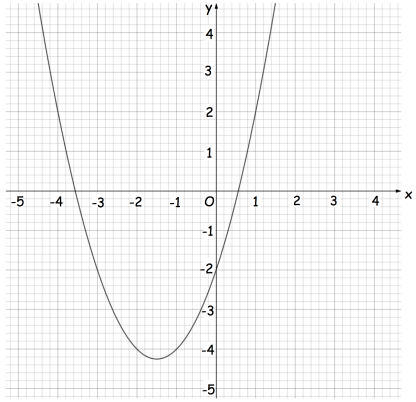
Name: _____ 5-a-day Higher Plus

22nd May

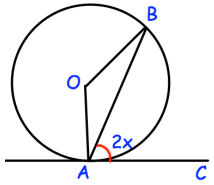
Corbettmaths



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.

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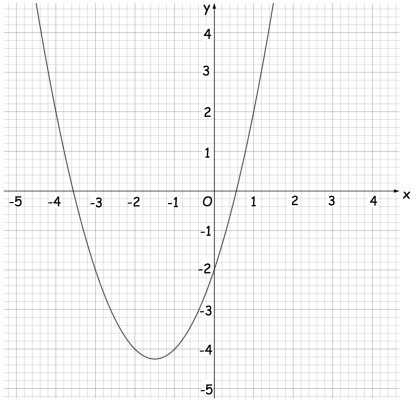

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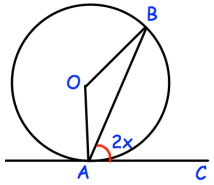

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