

18th May

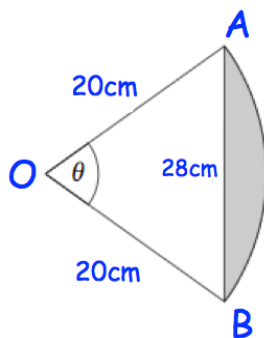
Corbettmaths

The curve $y = x^2 + 4x - 12$ is reflected in the y-axis.

Write down the equation of the reflected curve.

Prove $(2n + 2)^2 - (2n + 1)$ is always odd.

Find the equation of the line that is perpendicular to $4x + y = 8$ and passes through the point $(1, 5)$



Find the size of the angle θ .

The diagram shows a triangle OAB and the arc AB of a circle whose centre is O and whose radius is 20cm.

Find the area of the shaded segment to the nearest cm^2 .