

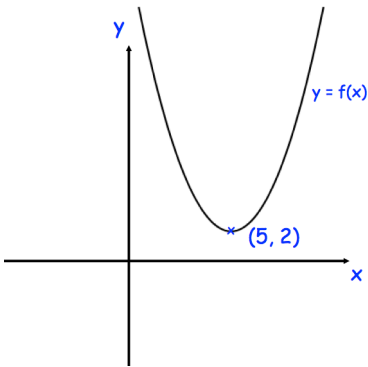
22nd January



Corbettmaths

A cuboid has length $(x + 9)$ cm, width $(x + 2)$ cm and height 5cm. The surface area of the cuboid is 400cm^2 .

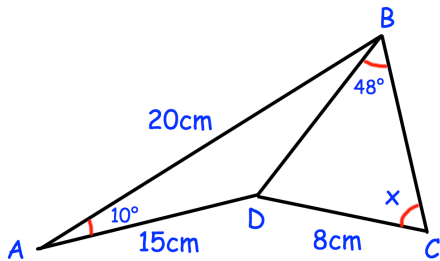
Find the value of x to 2 decimal places.



Which transformation will have a minimum point of $(-5, 2)$?

Shown is the curve with equation $y = f(x)$
The coordinates of the minimum point of the curve are $(5, 2)$.

Which transformation will have a minimum point of $(8, 2)$?



Find x

$$w = \frac{\sqrt{c}}{p}$$

$c = 4.24$ correct to 2 decimal places
 $p = 7.88$ correct to 3 decimal places

By considering bounds, work out the value of w to a suitable degree of accuracy.