

31st March

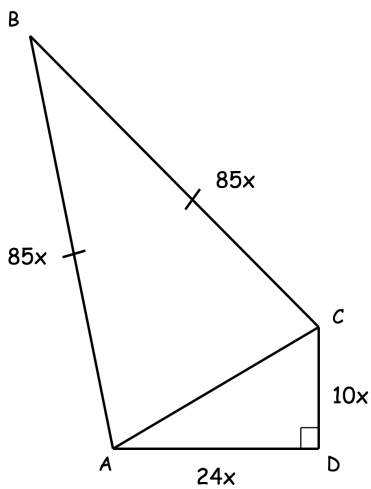
Corbettmaths

Make m the subject of $x = \frac{8a}{k - m}$

$f(x) = 10 + 3x - x^2$ for all values of x

Write down the range of $f(x)$

Shown below is quadrilateral ABCD.
ABC is an isosceles triangle.
ACD is a right angled triangle.



Show that the area of quadrilateral ABCD is $1212x^2$

$$y = 4x^3 + ax$$

The value of $\frac{dy}{dx}$ when $x = -2$ is seven

times the value of $\frac{dy}{dx}$ when $x = 1$