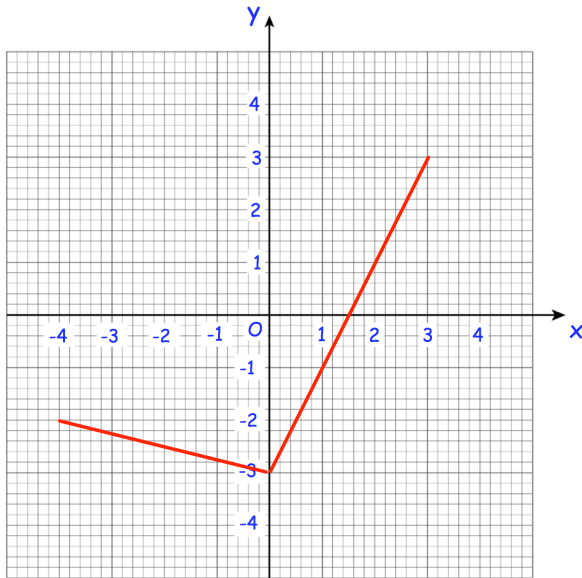


10th February

Corbettmaths

The graph of $y = f(x)$ is shown below.Write down the domain of $f(x)$ Write down the range of $f(x)$

The line L_1 passes through the points $A(-4, 2)$ and $B(11, 7)$

The line L_2 is parallel to L_1 and passes through the point $C(5, 0)$

The line L_3 is perpendicular to L_2 and passes through the point $D(-3, 8)$

The lines L_2 and L_3 intersect at the point E .

Find the area of triangle OCE

$$y = 6x^7 - \frac{4}{x^3}$$

Work out $\frac{dy}{dx}$