

22nd April

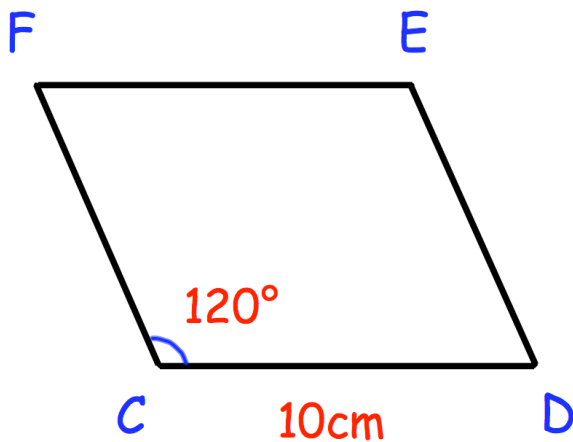
Corbettmaths

Work out

$$\frac{8}{4x^3} + \frac{7}{3x^2}$$

Give your answer as a single fraction in its simplest form

CDEF is a rhombus.



Find the area of CDEF.

A curve has equation
 $y = 4x^2 + 2x - 3$

A normal to the curve is drawn at the point A.

The normal is parallel to the line with equation $x - 6y = 2$

Find the equation of the normal at the point A.

Give your answer in the form

$$y = mx + c$$