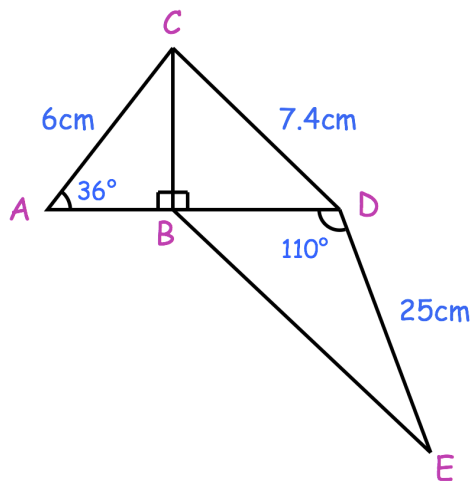


30th March



Corbettmaths

Factorise $20x^2 - 23x + 6$ 

ABD is a straight line.
Calculate the length of BE.

$$\mathbf{A} = \begin{pmatrix} 2 & 3 \\ 4 & 1 \end{pmatrix} \quad \mathbf{B} = \begin{pmatrix} -3 & 1 \\ 2 & 3 \end{pmatrix}$$

Work out the matrix \mathbf{AB}

Given $f(x) = -x^3 + 3x^2 - 7x - 1$

Show $f(x)$ is a decreasing function for all values of x