Corbettmɑths
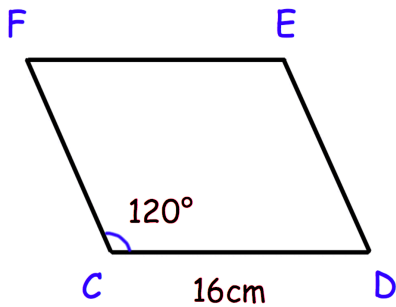
Write as a single fraction and simplify if possible
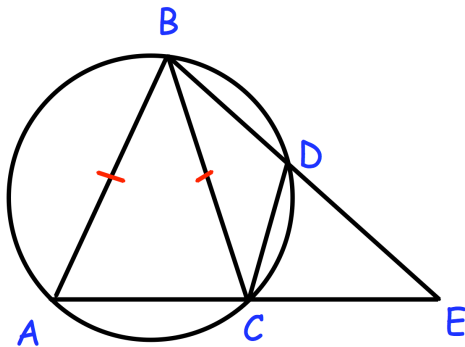
$$\frac{14}{x^2 - 5x + 6} \div \frac{7}{x^2 + 3x - 10}$$

Write in the form $(x + a)^2 + b$

$x^2 - 100x - 25$

F　　　　　　E

120°

C　　16cm　　D

CDEF is a rhombus.
Calculate the area of the rhombus.

B

D

A　　　C　　E

AB = BC
ACE and BDE are straight lines.

Prove that angle BCA = CDE