

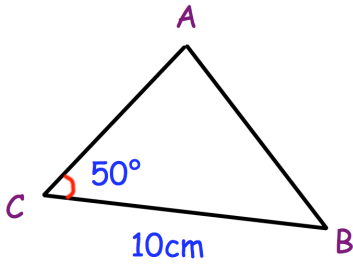
23rd April



Corbettmaths

Simplify fully

$$\frac{1}{3x^2 - x - 14} \div \frac{1}{2x^2 - x - 10}$$



The area of ABC is 22.981cm^2
Calculate the length of AB

Given

$$f(x) = \frac{1}{2x + 1}$$

find $f(3)$

Write down a value of x for which
 $f(x)$ is not defined.

By using completing the square,
find the coordinates of the turning
point of the curve with equation
 $y = x^2 - 12x - 3$

The first 5 terms in a quadratic
sequence are:

8 11 16 23 32

Find the first term in the sequence
which is greater than 400