Name: _____ 5-a-day Further Maths

16th April

Corbettmaths

Make x the subject of $y = \sqrt{\frac{x+9}{x+1}}$

The lengths of the three sides of a triangle are 7.2cm, 7.4cm and 10.4cm

Find the largest angle in the triangle.

$y = \frac{12x^2 - 2x^7}{3x}$

Work out the value of x when

$\frac{dy}{dx} = -968$

A group of 7 people enter a room.
Each person shakes hands with all the other people in the room.

How many handshakes are there in total?

$4sin^2x + 15cos^2x \equiv A + Bsin^2x$

Work out the values of A and B.