



Write 16 in the form 8^n

Rationalise the denominator

$$\frac{\sqrt{3}}{1 + \sqrt{6}}$$

The equation of a circle C, with centre O, is $x^2 + y^2 = 225$

Write down the coordinates of 5 points that lie on C.

In a class, there are 12 girls.
Two of the girls are going to be chosen at random to give a presentation.

Work out the number of possible different pairs that can be chosen.

The area of an equilateral triangle is 200cm^2

Find the length of each side.
Give your answer to 2 decimal places.