28th March

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 5 coordinates of points that lie on C.

The speed limit on a road is 50km/h

It took Sam 60 seconds, correct to the nearest 10 seconds, to drive along a road that is 780m long, correct to 2 significant figures.

Could Sam have broken the speed limit?

The area of an equilateral triangle is 200cm²

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