9th October

Corbettmαths

The nth term of a sequence is

$$\frac{8n^2 - 1}{9n^2 - 7}$$

Write down the limiting value of the sequence $n \to \infty$

Make x the subject of

$$y = \sqrt{\frac{x + 4}{x - 7}} + 10$$

The lengths of the three sides of a triangle are 7.2cm, 8cm and 10.4cm

Find the largest angle in the triangle.

Work out the equation of the normal to the curve $y = x^3 - 4x + 1$ at the point where $x = -2$