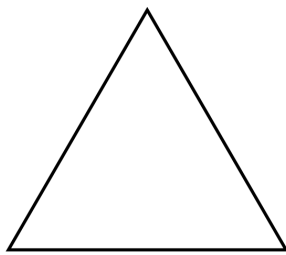




Write 2.144444... as a fraction



10cm

Find the area of this equilateral triangle

Here are the first 5 terms of a quadratic sequence

4 11 20 31 44

Find an expression, in terms of n , for the n th term of this quadratic sequence.

Show that $(3n + 2)^3 + 1$ is divisible by 9 for all integer values of n

$$x_{n+1} = \sqrt{\frac{10 - x_n^3}{5}}$$

Starting with $x_1 = 1$, work out a solution

$$\text{to } x = \sqrt{\frac{10 - x^3}{5}}$$

Give your answer to 2 decimal places.