

4th Feb



Corbettmaths

Express $\sqrt{294}$ in the form $a\sqrt{6}$

$$\int (12x^3 + 5) dx$$

A sequence a_1, a_2, a_3, \dots is defined as

$$a_{n+1} = 5a_n + 1$$

Given $a_2 = 41$

Find a_1

$$\sum_{n=1}^5 a_n$$

The curve C with equation $y = x^2 - 4x + 1$ has a tangent with equation $y = 2x + c$

Find c