

25th Jan

Corbettmaths

Find the distance between the coordinates (0, 4) and (4, -2)

Solve the inequality

$$12x^2 + 7x + 1 \leq 0$$

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

$$a_1 = k$$

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

Find an expression for a_3 in terms of k .

Find in terms of k

$$\sum_{r=1}^4 a_r$$

$$f(x) = \frac{(x^2 - 3)^2}{x^3}$$

find $f''(x)$