

30th December

Corbettmaths

Find the distance between the points (2, 4) and (-3, 1)

Simplify

$$(5\sqrt{3})^3$$

Find the set of values of x for which **both**

$$5x - 6 > 24 - x$$

and

$$2x^2 - 5x - 12 \geq 0$$

Find the coordinates of the stationary point to the curve
 $y = 5x^2 + 4x + 2$

Find the equation of the curve C, given

$$\frac{dy}{dx} = \sqrt{x} + x - 1$$

The curve C passes through the point (4, 3)