

3rd April

Corbettmaths

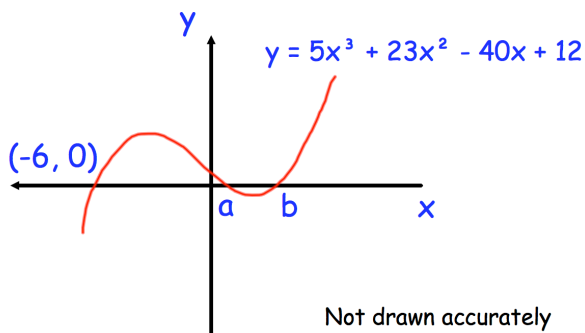
The n^{th} term of a quadratic sequence is $n^2 - 4n + 9$

Work out the difference between the 10th and 15th terms.

$$y = \frac{2x^6 - x^5}{x^3}$$

Work out the rate of change of y with respect to x when $x = 3$

Below is the graph of $y = 5x^3 + 23x^2 - 40x + 12$



Find the coordinates of the points a and b , where the graph of $y = 5x^3 + 23x^2 - 40x + 12$ crosses the x -axis.

The coefficient of the x^2 term in the expansion of $(2x + a)^5$ is 13720
Find a