12th April

Simplify

$$(3 + \sqrt{10})(2 - \sqrt{10})$$

Corbettmaths

Solve

$$\frac{5^{x}}{25^{x-1}} = \sqrt[3]{5}$$

The equation

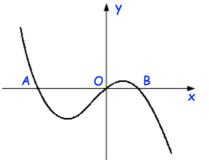
$$x^2 + (3 - k)x + 7 = 0$$

has two distinct real roots. Find the possible range of values of k

Shown is the graph y = f(x)

Given $f'(x) = 21 - 8x - 3x^2$

Find an expression for y in terms of x.



Arrange in order from lowest to highest

249

35

28 5

21 7