

3rd September

Corbettmaths

The n^{th} term of a quadratic sequence is
 $n^2 - 5n + 3$

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

$$-20 < a < -5 \quad \text{and} \quad -8 < b < -2$$

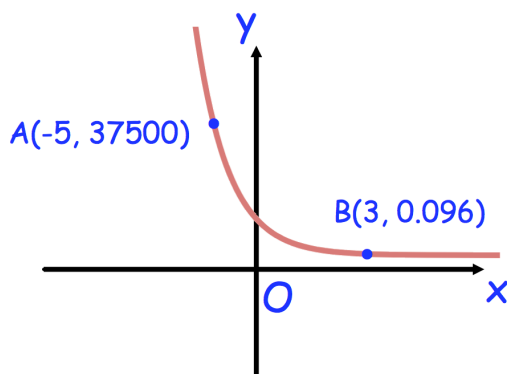
 ab

Write down an inequality for each of the
 following

b^3

$\frac{a}{b}$

The sketch shows a curve with equation
 $y = ab^x$ where $a > 0$ and $b > 0$



The curve passes through the points
 $(-5, 37500)$ and $(3, 0.096)$
 Calculate the value of a and b