

13th April

Corbettmaths

The n th term of a sequence is $\frac{2n + 9}{3n - 15}$

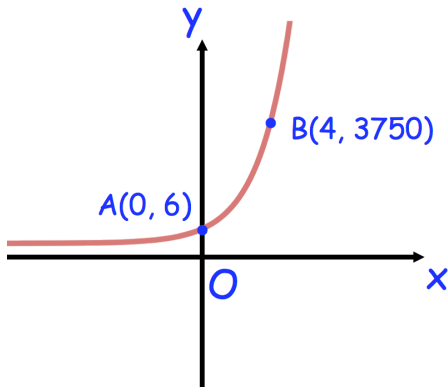
Write down the limiting value of the sequence $n \rightarrow \infty$

A straight line passes through the points $(-8, 1)$ and $(3, -43)$

Find the coordinates of the point where the line crosses the y-axis.

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

The curve passes through the points $(0, 6)$ and $(4, 3750)$



Calculate the value of a and b

Solve

$$\sqrt[3]{4\sqrt{x} - 11} = 3$$