

8th March

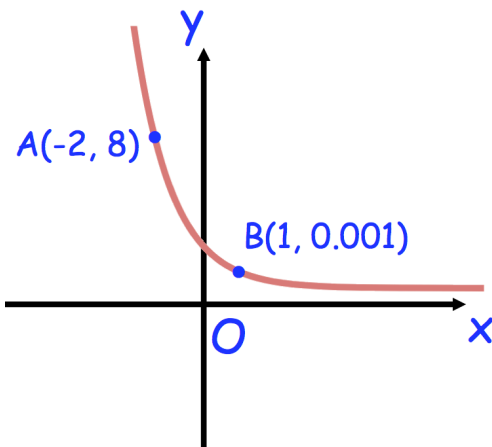
Corbettmaths

Solve

$$3x^2 - 11x + 6 < 0$$

The n th term of a sequence is

$$\frac{4n^2 + 9}{5n^2 - 4}$$

Write down the limiting value of the sequence $n \rightarrow \infty$ The sketch shows a curve with equation $y = ab^{-x}$ where $a > 0$ and $b > 0$ The curve passes through the points $(-2, 8)$ and $(1, 0.001)$ Calculate the value of a and b

A circle has equation

$$x^2 + y^2 - 8x + 2y + 16 = 0$$

Write down the radius of the circle