

4th July

Corbettmaths

The n th term of a sequence is

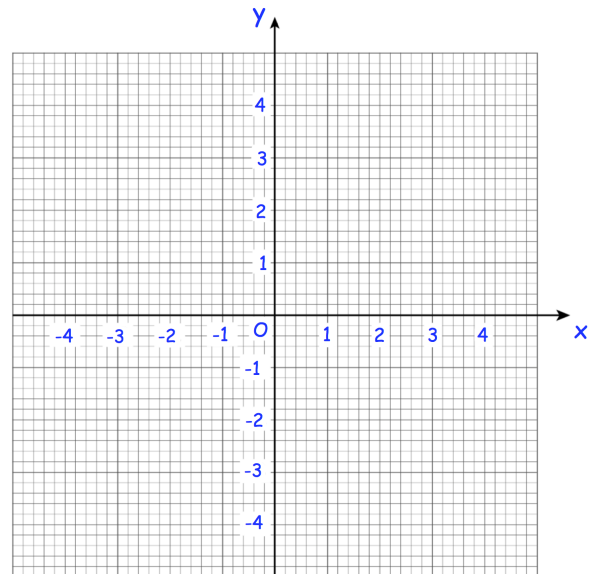
$$\frac{10n^2 + 20}{5 - 30n^2}$$

Write down the limiting value of the sequence $n \rightarrow \infty$ A function $f(x)$ is defined as

$$f(x) = -2 \quad -4 \leq x < -3$$

$$= \frac{4}{x} \quad -2 \leq x < -1$$

$$= x - 3 \quad -1 \leq x \leq 4$$

Draw the graph of $y = f(x)$ and state its rangeAngle θ is obtuse and $\sin\theta = \frac{5}{13}$ Work out the value of $\cos\theta$

Sketch the graph of

$$y = 3 \times 5^{-x}$$

clearly show the coordinates of any points of intersection with the axes.

