

26th September

Corbettmaths

Simplify

$$\sqrt{32} : \sqrt{50} : \sqrt{288}$$

The n th term of a sequence is $\frac{2n^2 - 8}{3n^2 - 1}$

Find the limiting value of $\frac{2n^2 - 8}{3n^2 - 1}$ as
 $n \rightarrow \infty$

$(3x - 1)$ is a factor of

$$3x^3 - 4x^2 + ax + 2$$

Find a

Solve the simultaneous equations

$$x^2 + y^2 = 20$$

$$x + 3y = 10$$