

23rd December

Corbettmaths

Find the gradient of the line passing through the points $(4a, -a)$ and $(6a, 5a)$

Make x the subject

$$P = 4x + \frac{\pi x}{5}$$

Prove that the sum of three consecutive even numbers is always a multiple of 6

A cuboid has length $(x + 7)$ cm, width $(x + 2)$ cm and height 5cm. The surface area of the cuboid is 300cm^2 .

Find the value of x to 2 decimal places.

$$w = \frac{\sqrt{c}}{p}$$

$c = 5.13$ correct to 2 decimal places
 $p = 12.87$ correct to 3 decimal places

By considering bounds, work out the value of w to a suitable degree of accuracy.