

30th July

Corbettmaths

$$x^{-4} = z^9 \times y^{-1}$$

Write y in terms of x and z

The longest side of a right angle triangle is $\sqrt{53}$ cm

One of the shorter sides has a length of $2\sqrt{2}$ cm

What is the perimeter of the triangle?

A curve has equation $y = x^2(5 - x)$

Work out the equation of the tangent to the curve at the point $(5, 0)$

Solve

$$3\sin^2 x + 2\sin x - 1 = 0$$

for $0^\circ \leq x \leq 360^\circ$