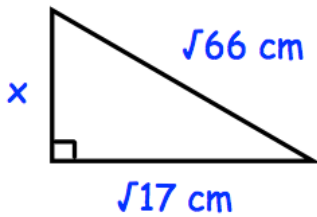


11th November

Corbettmaths

Solve

$$3x^2 - 3 > 4x + 1$$

Find x

Write $18\cos 30^\circ + 2\tan 60^\circ$ in the form $a\sqrt{b}$

The population of an island is decreasing exponentially.

Martin has begun to monitor the population each year.

Year 6 - Population 3000

Year 8 - Population 2000

What was the population in Year 2?

Find the coordinates of the points where the circle $x^2 + y^2 = 8$ and the line $y = 2x + 2$ intersect.