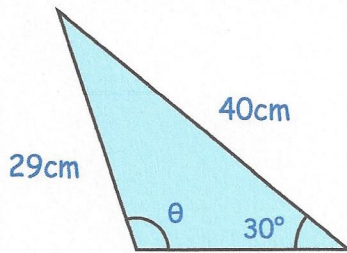


11th May



Corbettmaths



Find the two possible values of θ

$$\theta = 43.6^\circ \text{ or } 136.4^\circ$$

Express as a single fraction

$$4 - \frac{x+5}{x-5} - \frac{x+1}{x+5}$$

~~$$2 \frac{x^2 - 3x - 60}{(x-5)(x+5)}$$~~

$$\frac{2(x^2 - 3x - 60)}{(x-5)(x+5)}$$

In year 7 there are 50% more girls than boys.

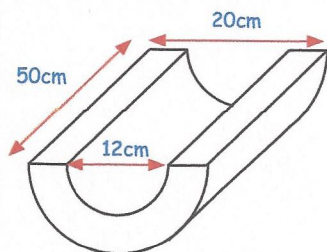
28 of the students in year 7 are left handed.

$\frac{3}{20}$ of the girls are left handed

Find how many students are in year 7

$\frac{1}{8}$ of the boys are left handed

$$200$$



Calculate the surface area

$$3114.336 \text{ cm}^2$$

The line $y = x + 4$ and the curve $y = x^2 + 3x + 4$ intersect at the points A and B.

Find the distance between the points A and B.

$$A \quad B$$

$$(0, 4) \quad (-2, 2)$$

$$2.82843$$