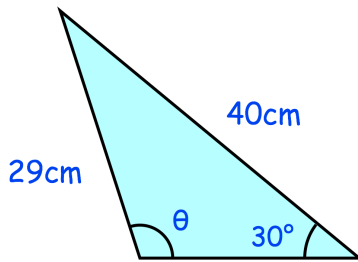


11th May



Corbettmaths

Find the two possible values of  $\theta$ 

Express as a single fraction

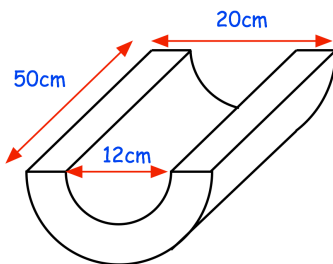
$$4 - \frac{x+5}{x-5} - \frac{x+1}{x+5}$$

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

 $\frac{3}{20}$  of the girls are left handed $\frac{1}{8}$  of the boys are left handed

28 of the students in year 7 are left handed.

Find how many students are in year 7



Calculate the surface area

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.