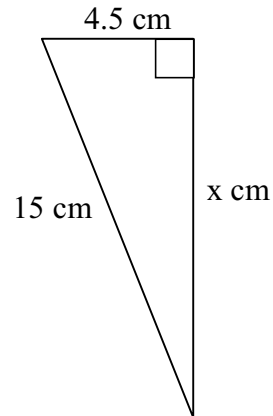
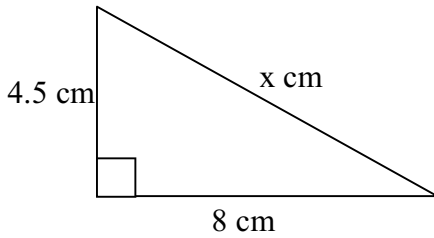


# Pythagoras

Name:

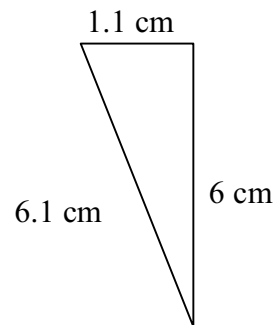
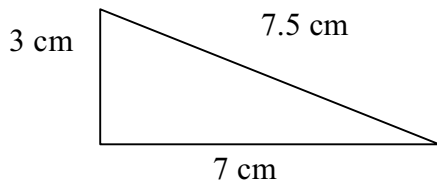
Mark:

- 1) Calculate  $x$  in each of the following diagrams:



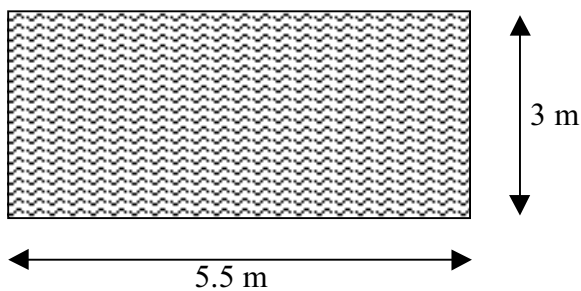
(6)

- 2) Say whether, or not, the following triangles are right angled:



(4)

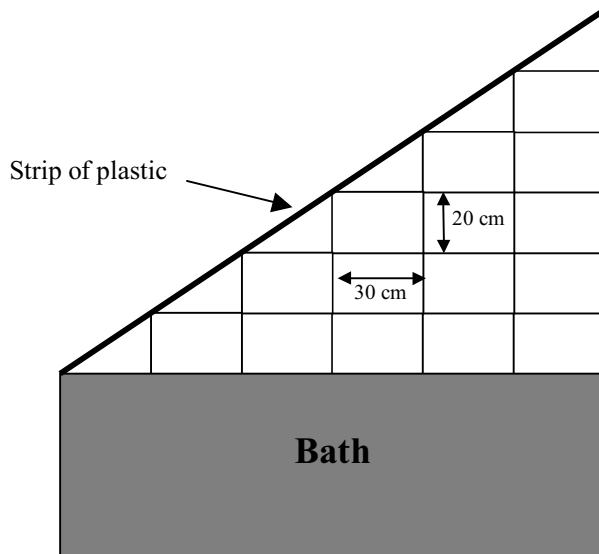
- 3) John is laying a concrete floor for his garage.  
The floor is to be a rectangle 5.5 metres by 3 metres



To check the floor is rectangular, John measures a diagonal.  
What should this measurement be?

(5)  
General Paper 2 2001 Qu 7

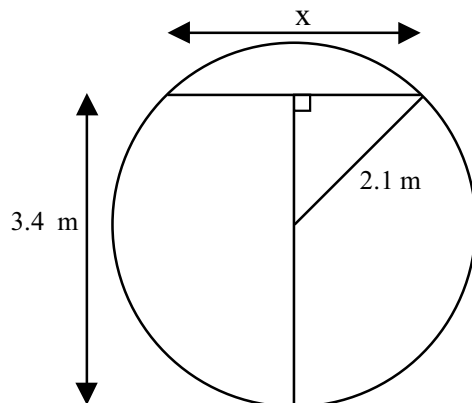
- 4) The diagram below shows the wall Jamie has tiled over the bath in his house. He used rectangular tiles, some of which he halved. The length of each tile is 30 centimetres. The breadth of each tile is 20 centimetres.



A strip of plastic is fitted along the top of the tiles. Calculate the length of the strip of plastic.

(4)  
General Paper 2 2002 Qu 7

- 5)



The radius of the circle is 2.1m. Calculate the length of x

(3)  
Credit Paper 2 2002 Qu6