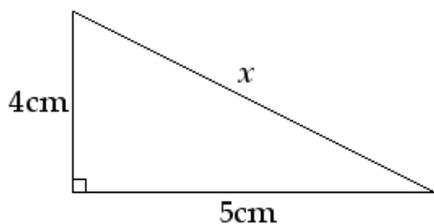


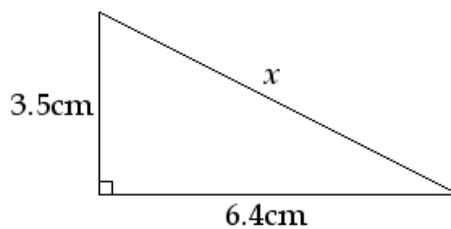
Pythagoras Worksheet

Find the lengths of the unknown sides in the following right-angled triangles

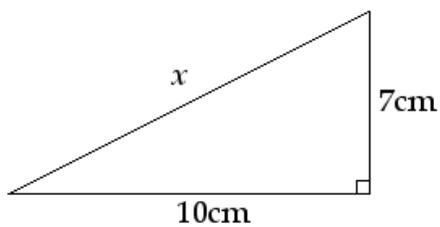
1.



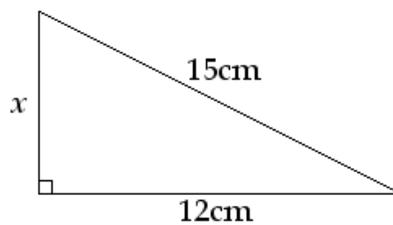
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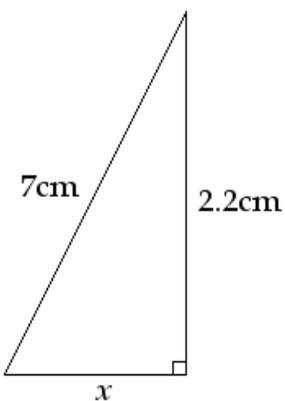
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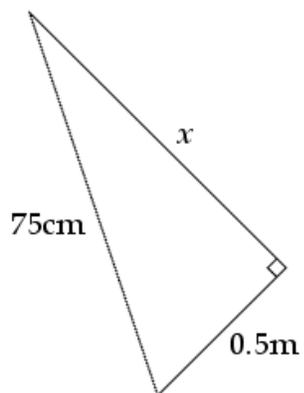
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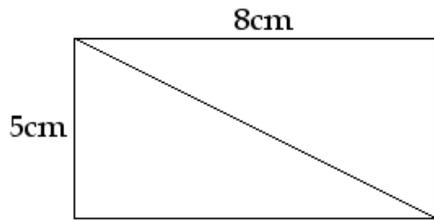
5.



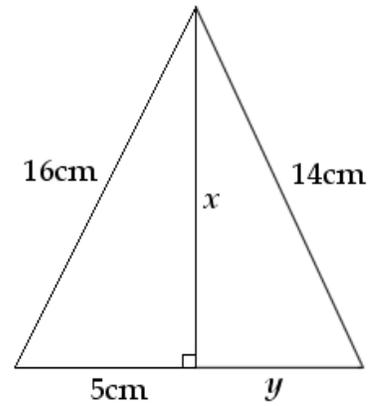
6.



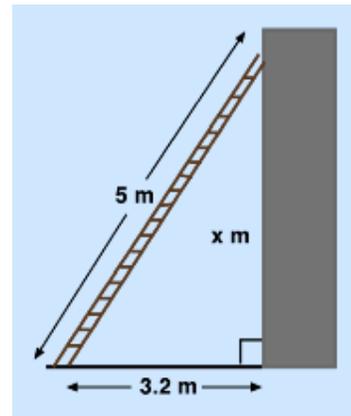
7. Find the length of the diagonal of the rectangle



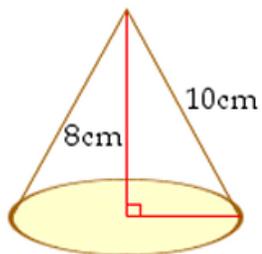
8. Find the unknown sides



9. A 5 metre ladder is positioned 3.2 metres from a building, as shown in the diagram. Will the ladder reach a window which is 4 metres from the ground?

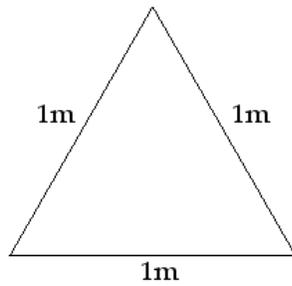


10.

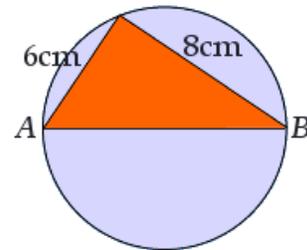


A cone is shown. Find the diameter of the cone.
Hint: the diameter is twice the length of the radius

11. Find the perpendicular height of the equilateral triangle shown



12. AB is the diameter of the circle shown.
Find the radius of the circle



13. HARDER PROBLEM

The diagram shows a cube of side 5cm. Find the length of AB.

Hint:- All sides of the cube are 5cm. You will need to use Pythagoras twice: find one side and then use it to find AB

