Week 10 Lesson 1 – Pythagoras

1) ABC is a right-angled triangle.

   AC = 8cm

   BC = 15cm
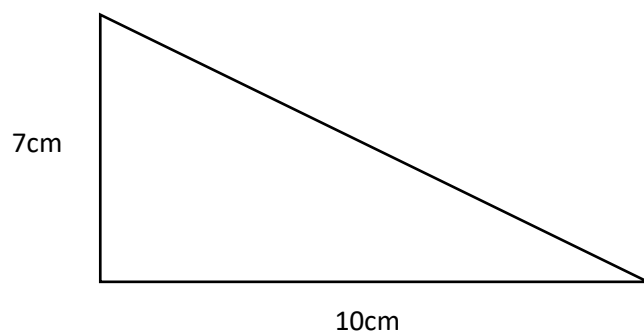
Not drawn accurately

A

8cm

B

15cm

C
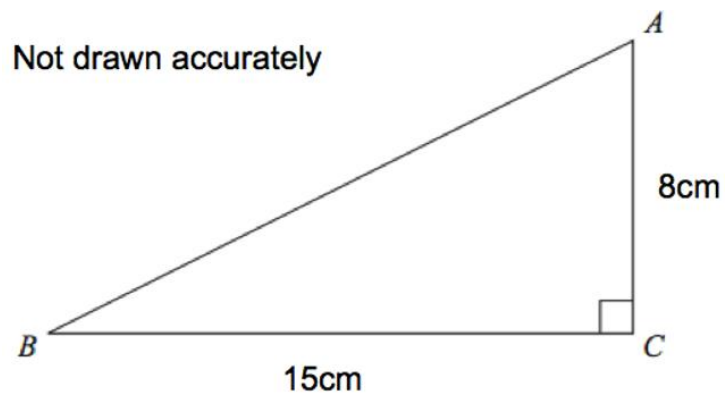
   Calculate the length of side AB.

(3)

2) Shown is a right-angled triangle.

7cm

10cm

   Work out the perimeter of the triangle.

(4)

3) Shown is a right-angled triangle.

Not drawn to scale

14cm

10cm
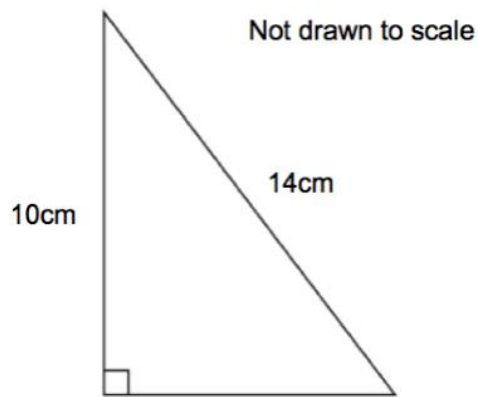
Calculate the area of the triangle.

(4)

4) A 4-metre ladder is placed against a wall. The base of the ladder is 1.5m away from the base of the wall.

Work out how far the ladder reaches up the wall.

(3)

5) The distance from a point on the ground to the base of the tree is 18 metres.
   The distance from a point on the ground to the top of the tree is 20 metres.

Not drawn accurately

20m

X

18m
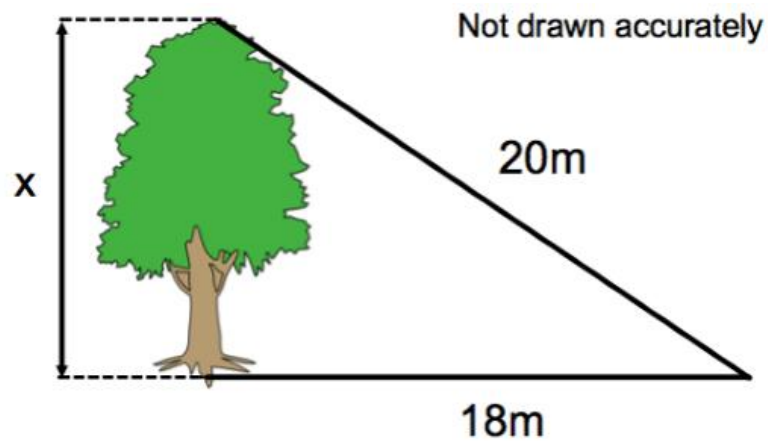
Calculate the height of the tree.

Give your answer to 1 decimal place.

(3)