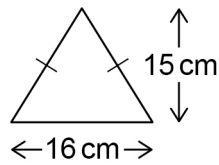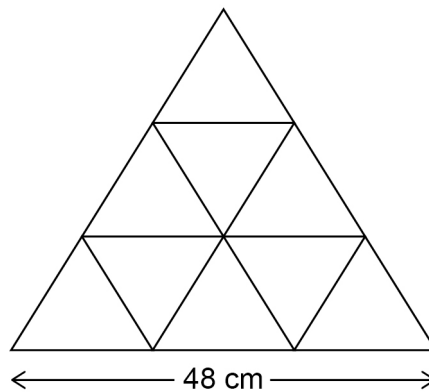**1** An isosceles triangle has base 16 cm and perpendicular height 15 cm

15 cm

←16 cm→

Not drawn accurately

Some of these triangles are used to make a large triangle.
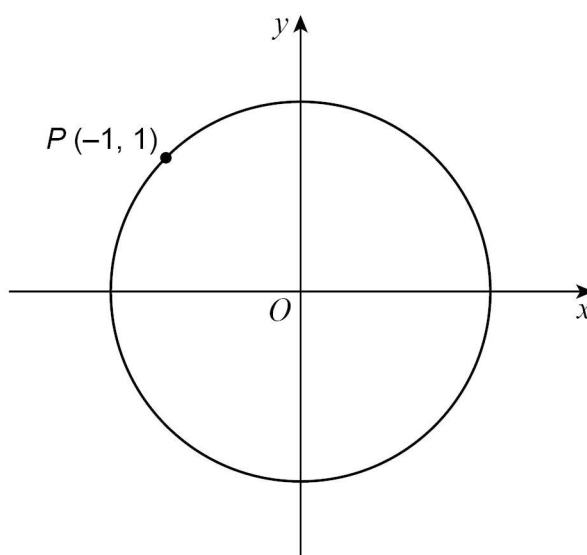
Not drawn accurately

←———— 48 cm ————→

Work out the perimeter of the large triangle.

[4 marks]

Answer _____ cm

2 P (−1, 1) is a point on the circle, centre O, radius r.

Not drawn
accurately

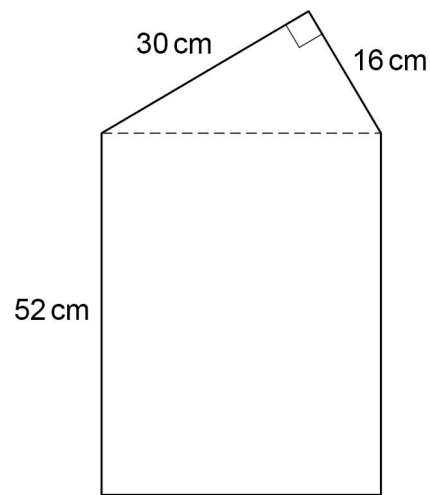Work out the value of r.

Circle your answer.

[1 mark]

1   2 $\sqrt{2}$ $2\sqrt{2}$

3   A shape is made by joining a right-angled triangle to a rectangle.
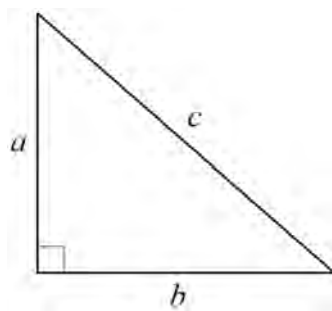
30 cm

16 cm

52 cm

Not drawn
accurately

Work out the area of the shape.

[5 marks]

Answer _____ cm^2

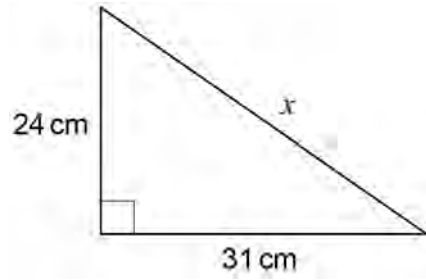**4**

Not drawn
accurately

In this right-angled triangle,

$$a = 16\,\text{cm}$$

$$a : c = 4 : 5$$

Work out the area of the triangle.

[4 marks]

Answer _____ cm^2

5

Not drawn
accurately

Use Pythagoras' theorem to work out the value of x.

Give your answer as a decimal.

[3 marks]

Answer _____ cm