1. Calculate the area of this shape.

8 cm

2 cm

5 cm

6 cm

15 cm

…………………
(2 marks)

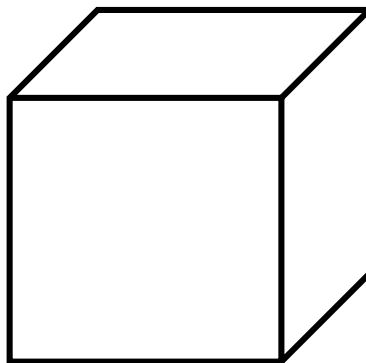2. Calculate the area of this shape.

14 cm

6 cm

5 cm

9 cm
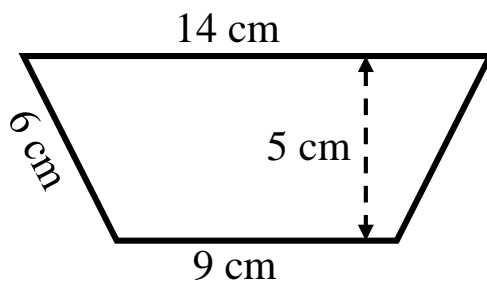
…………………
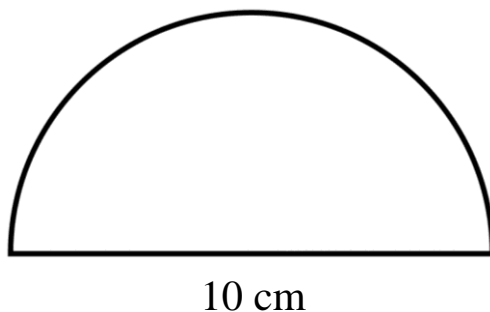(2 marks)

3. Calculate the surface area of the cube below.

$Volume = 125cm^3$

Surface area = … ………
(3 marks)

3. Calculate the circumference of this semi-circle.
   Leave your answer in terms of π.

10 cm

…………………
(2 marks)
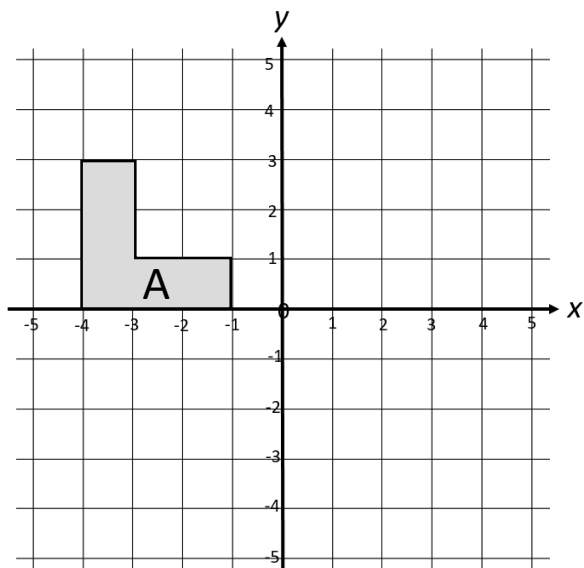
4. Two sides of a right angle triangle are 12cm and 7cm.
   There are two possible answers for the third side.
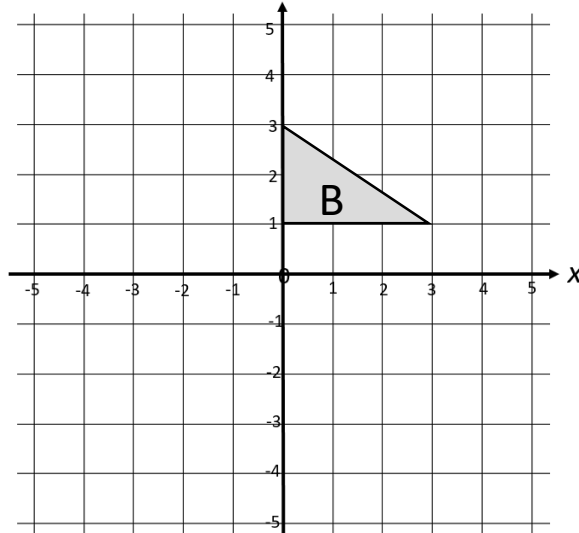   Round your answers to 1 decimal place.

…………………
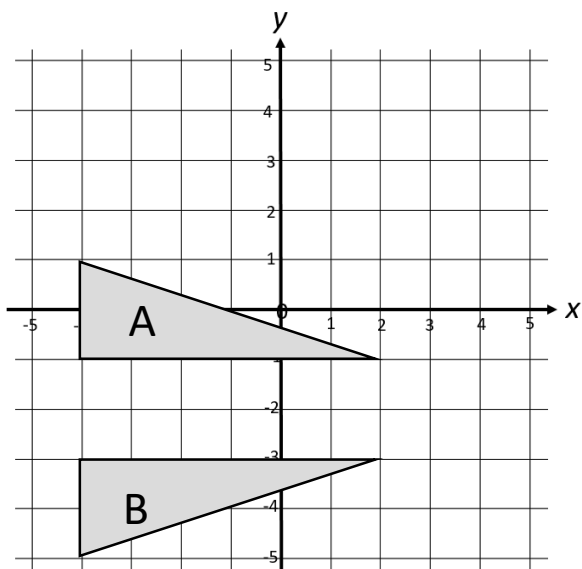(2 marks)

5. Reflect shape *A* in the line y = *x*

(2 marks)
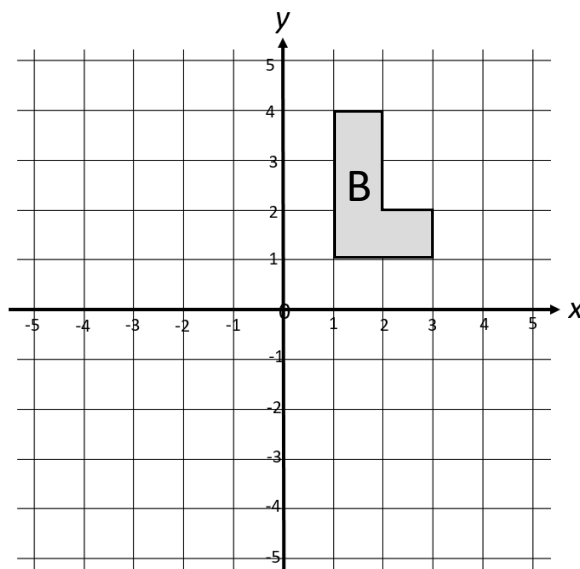
6. Rotate shape *B* by 180° about the center (-1 , -1)

(2 marks)

7. Describe the single transformation from shape A to B.

_____

_____

_____

_____

(2 marks)

8. Enlarge shape *A* by scale factor -2 from the center (0 , 1)

(2 marks)

Score =