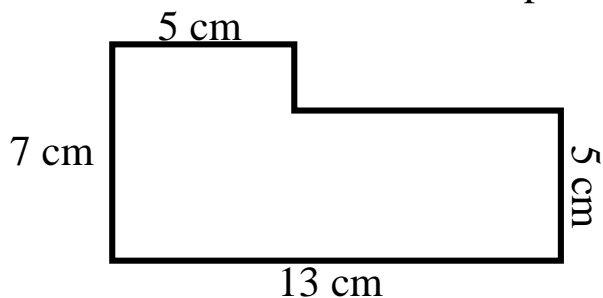
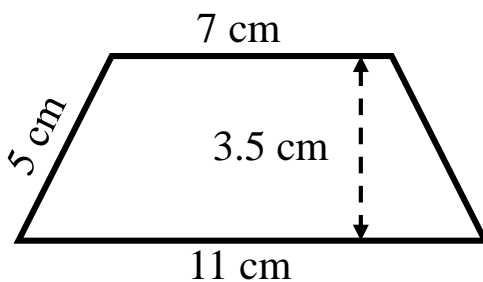


1. Calculate the area of this shape.



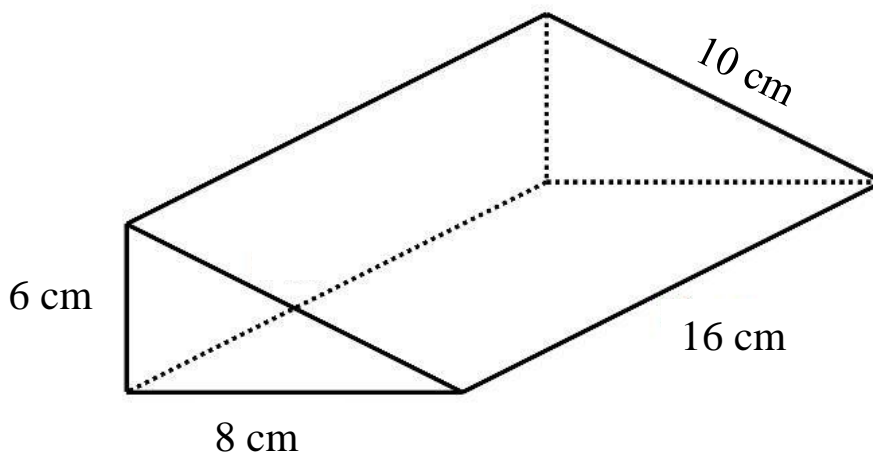
.....
(2 marks)

2. Calculate the area of this shape.



.....
(2 marks)

3. Calculate the volume and surface area of the cube below.

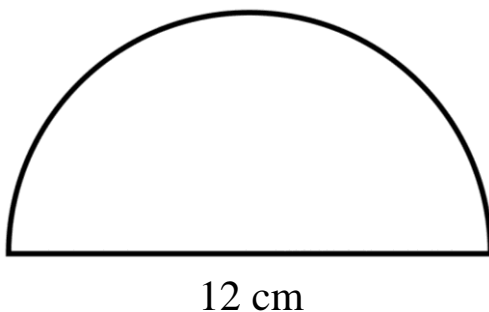


Volume =

Surface area =
(5 marks)

3. Calculate the area of this semi-circle.

Leave your answer in terms of π .



.....
(2 marks)

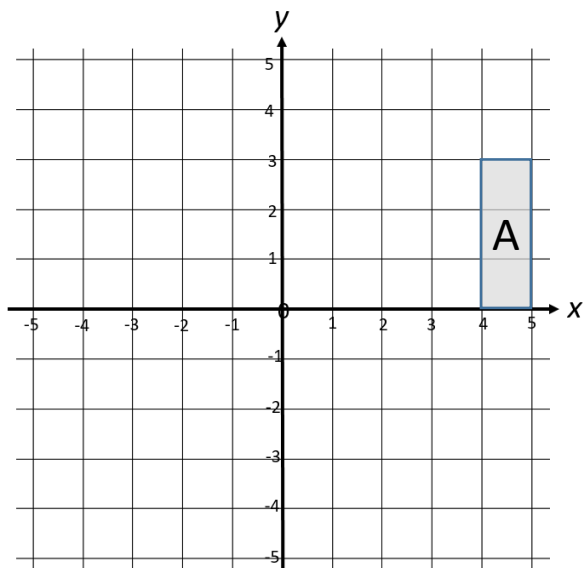
4. Two sides of a right angle triangle are 6cm and 11cm.

There are two possible answers for the third side.

Round your answers to 1 decimal place.

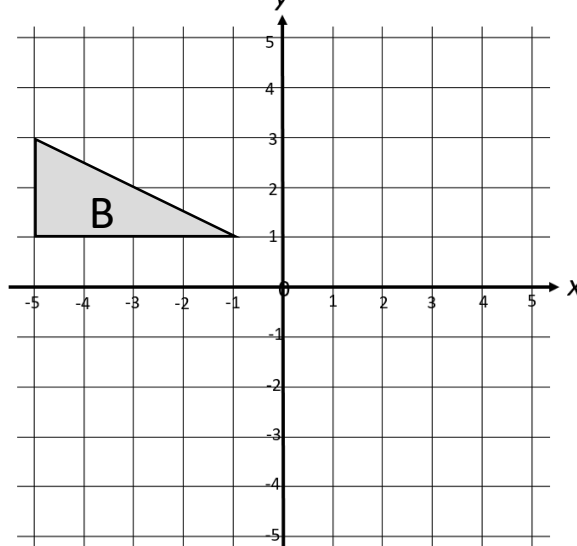
.....
(2 marks)

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



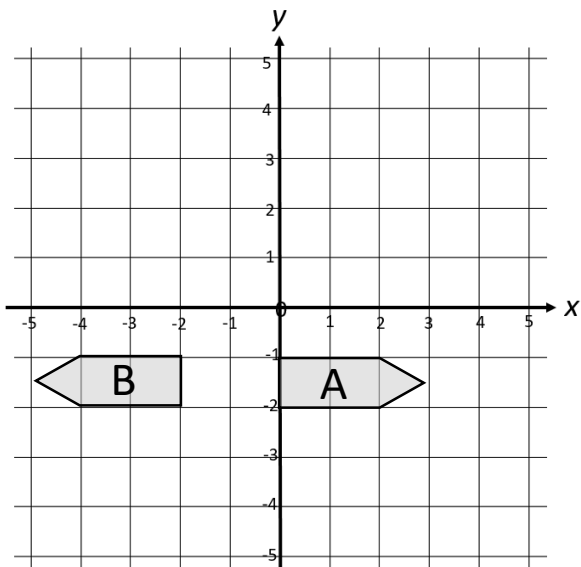
(2 marks)

6. Rotate shape *B* by 90° ACW about the center $(0, 2)$



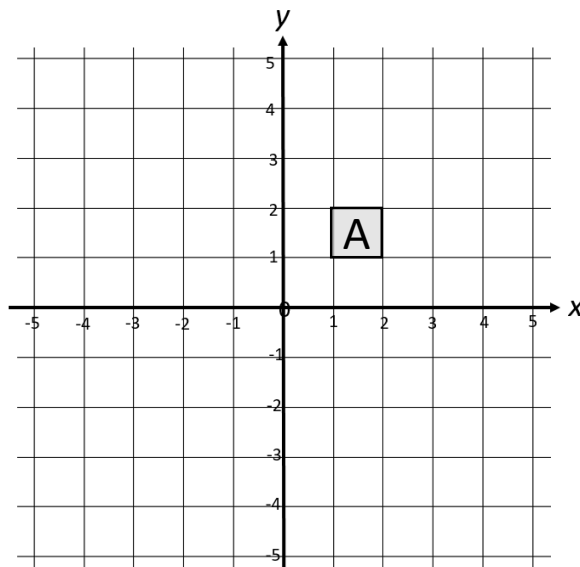
(2 marks)

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



(2 marks)

8. Enlarge shape *A* by scale factor -2 from the origin.



(2 marks)

Score =