1. Calculate the area of this shape.
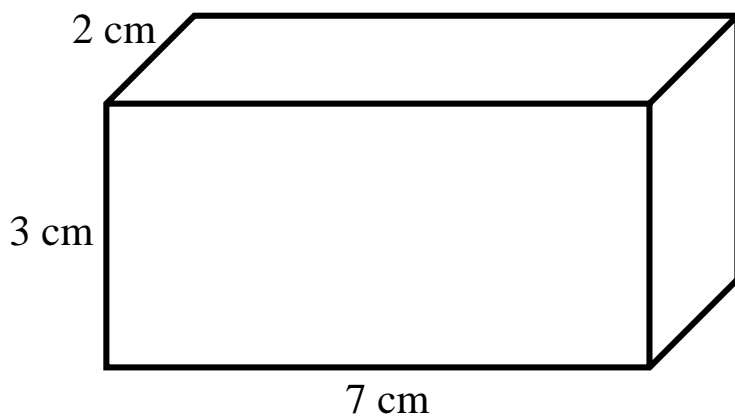
8 cm   6 cm

10 cm

………………………
(2 marks)

2. Calculate the area of this shape.

6 cm   5 cm

9 cm
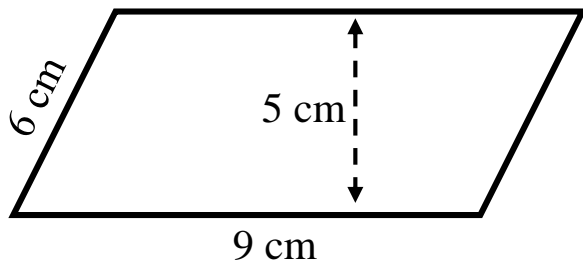
………………………
(2 marks)

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

2 cm

3 cm

7 cm

*Volume* = …………

*Surface area* = … ………
(5 marks)

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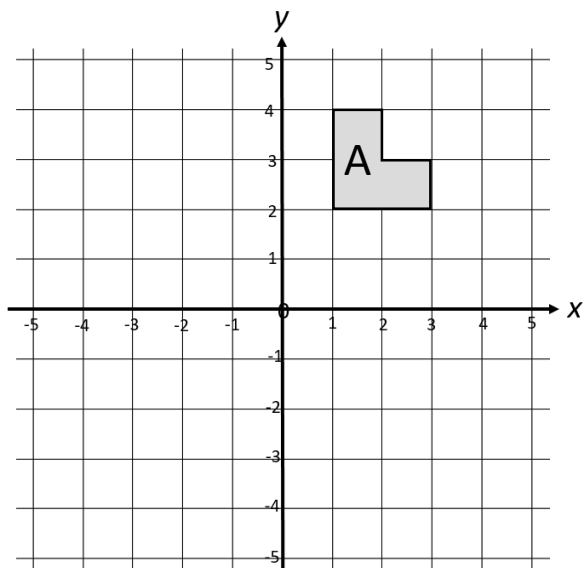   Leave your answer in terms of π.

3 cm
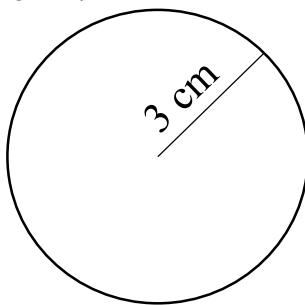
………………………
(2 marks)

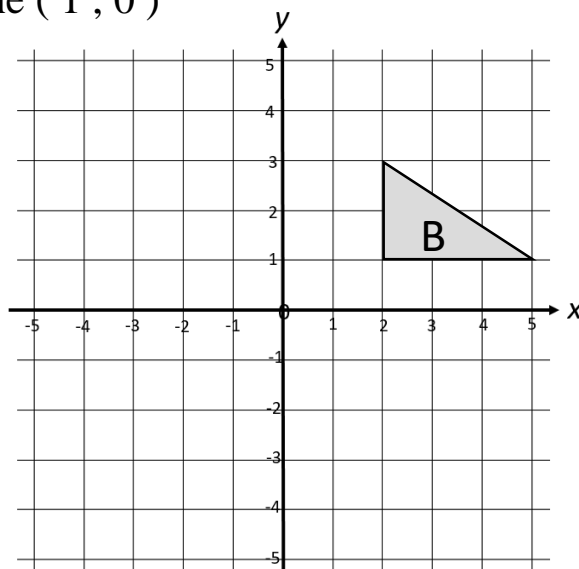4. Is it possible to make a right angle triangle with sides of 8cm, 6cm and 10cm.

………………………
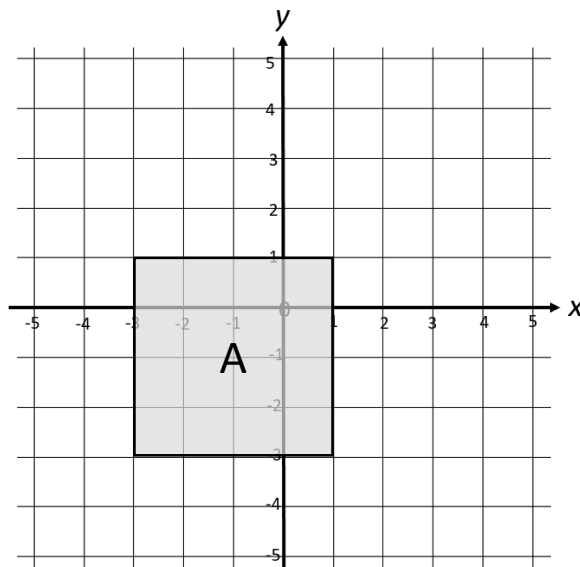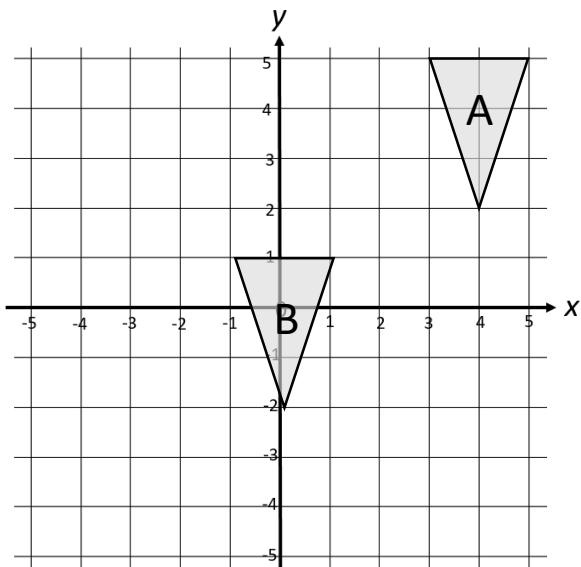(2 marks)

5. Reflect shape *A* in the line $x = -1$



(2 marks)

6. Rotate shape *B* by 180° about the ( 1 , 0 )



(2 marks)

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



_____

_____

_____

_____

(2 marks)

8. Enlarge shape *A* by scale factor $\frac{1}{2}$ from the center (3 , 3)



(2 marks)

Score =