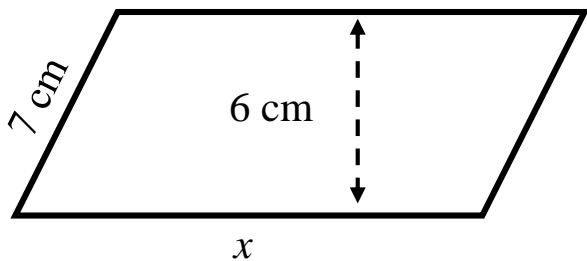
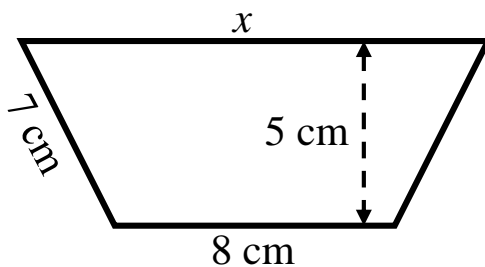


1. Calculate x .



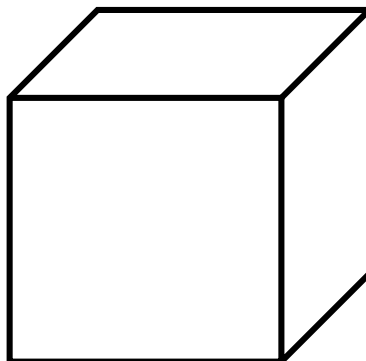
Area = 84 cm^2
(2 marks)

2. Calculate x .



Area = 50 cm^2
(2 marks)

3. Calculate the surface area of the cube below.

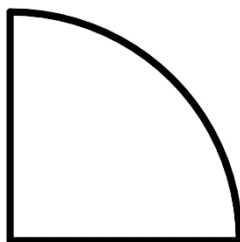


Volume = 512 cm^3

Surface area =
(3 marks)

3. Calculate the circumference of this quarter-circle.

Leave your answer in terms of π .



6 cm

.....
(2 marks)

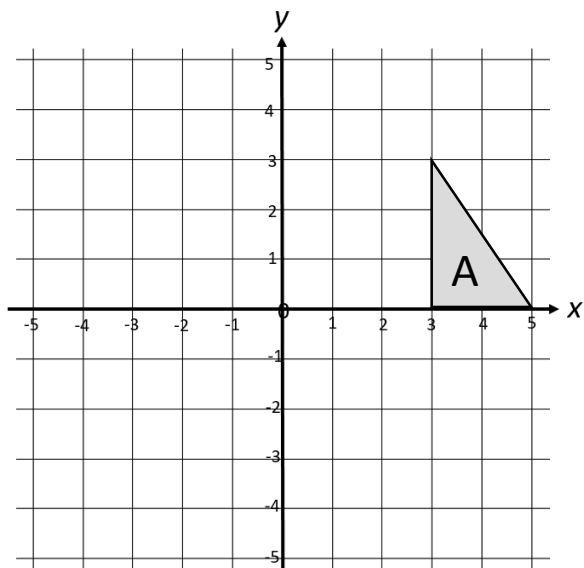
4. Two sides of a right angle triangle are 9cm and 16cm.

There are two possible answers for the third side.

Round your answers to 1 decimal place.

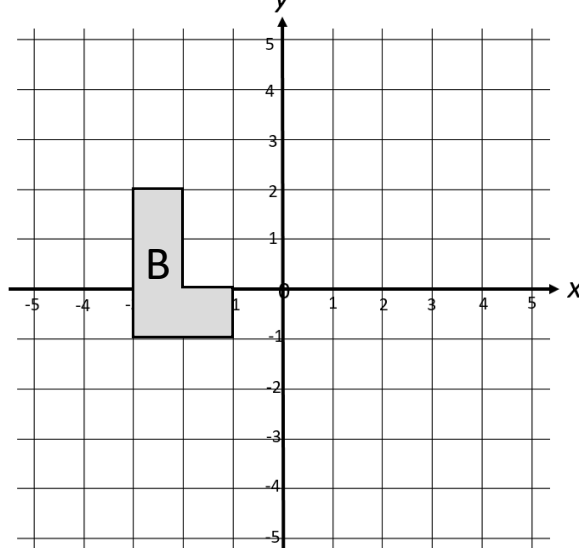
.....
(2 marks)

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



(2 marks)

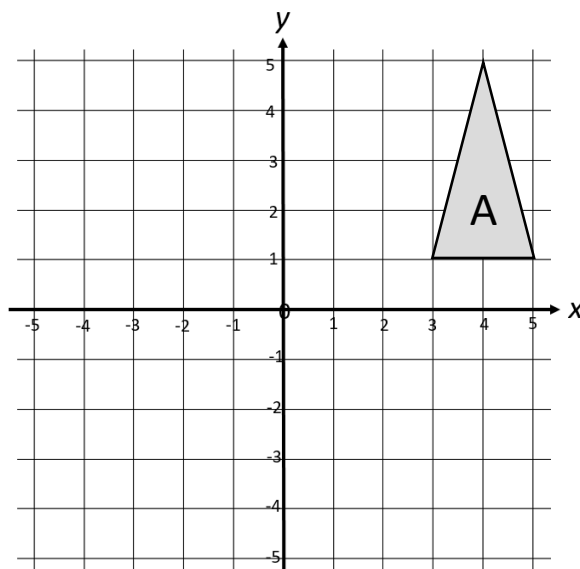
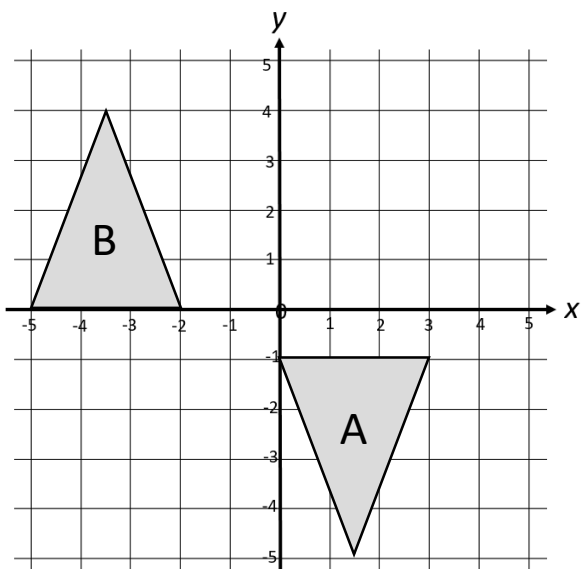
6. Rotate shape *B* by 270° ACW about the center $(0, -2)$



(2 marks)

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

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



(2 marks)

(2 marks)

Score =