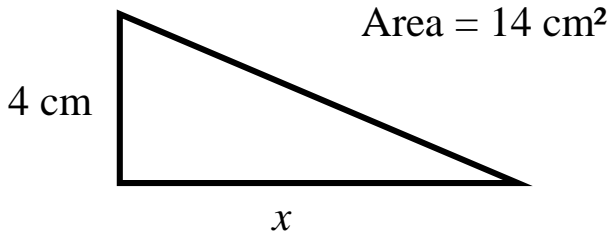
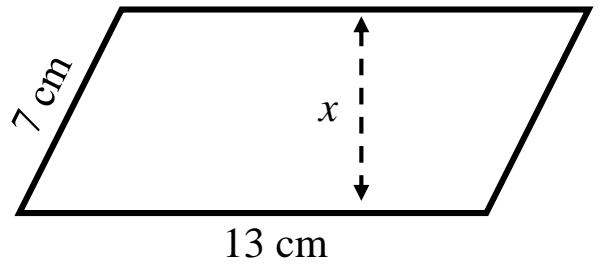


1. Calculate x .



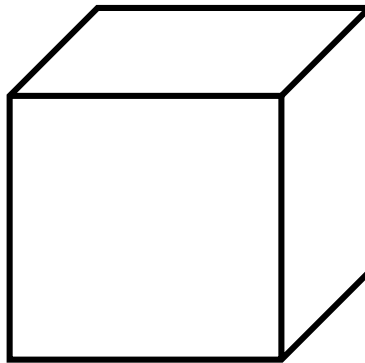
.....
(2 marks)

2. Calculate x .



Area = 78 cm^2
(2 marks)

3. Calculate the surface area of the cube below.

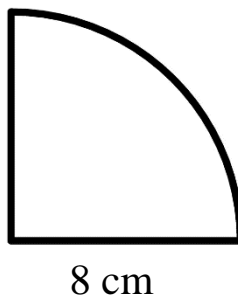


Volume = 1000 cm^3

Surface area =
(3 marks)

3. Calculate the area of this quarter-circle.

Leave your answer in terms of π .



.....
(2 marks)

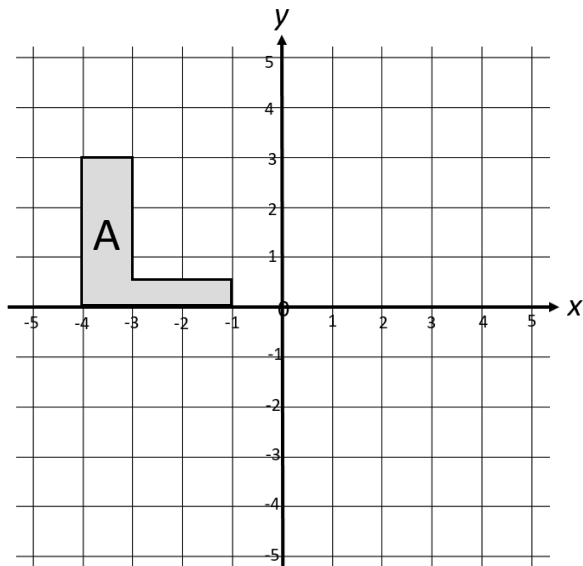
4. Two sides of a right angle triangle are 8cm and 15cm.

There are two possible answers for the third side.

Round your answers to 1 decimal place.

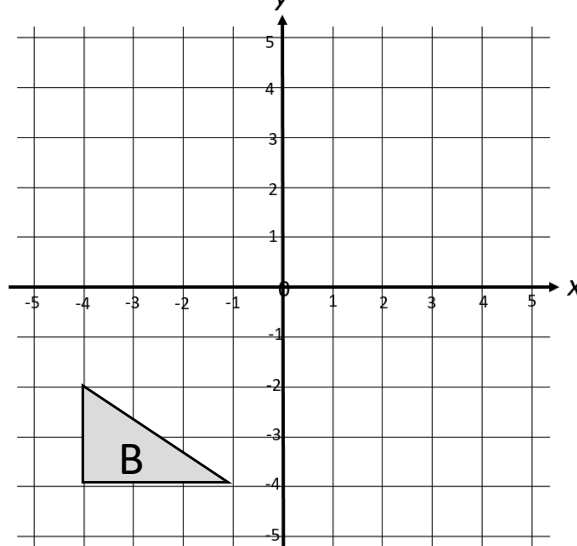
.....
(2 marks)

5. Reflect shape *A* in the line $y = -2$



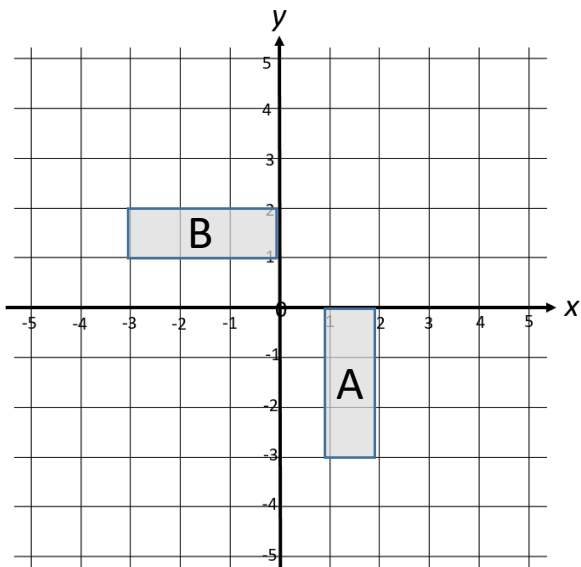
(2 marks)

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

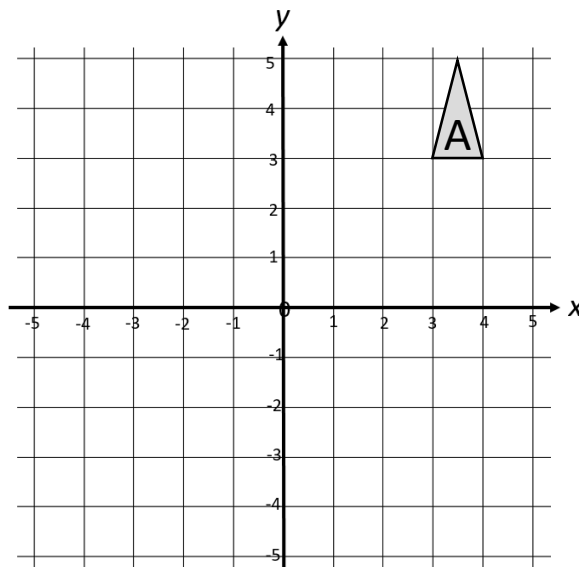


(2 marks)

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



8. Enlarge shape *A* by scale factor -3 from the center $(0, 1)$



(2 marks)

(2 marks)

Score =