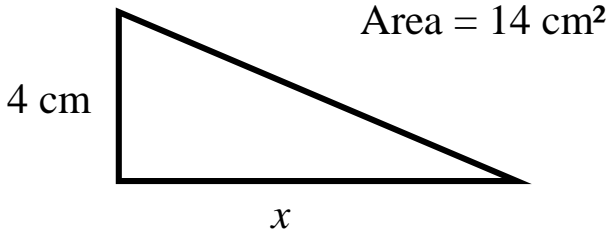
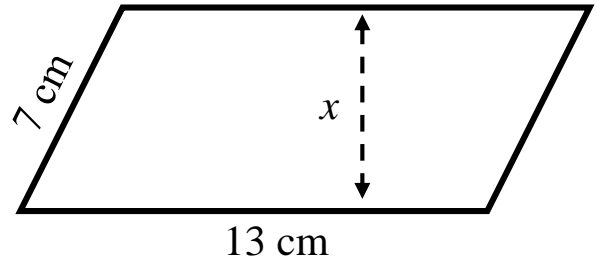


1. Calculate  $x$ .



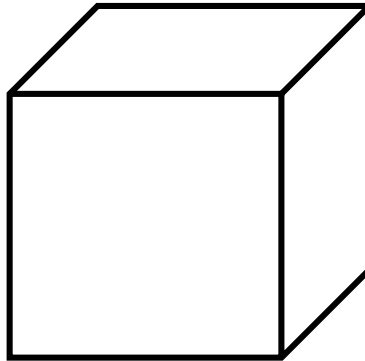
.....  
(2 marks)

2. Calculate  $x$ .



Area =  $78 \text{ cm}^2$  .....  
(2 marks)

3. Calculate the surface area of the cube below.

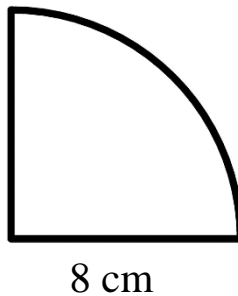


Volume =  $1000 \text{ cm}^3$

Surface area = .....  
(3 marks)

3. Calculate the area of this quarter-circle.

Leave your answer in terms of  $\pi$ .



.....  
(2 marks)

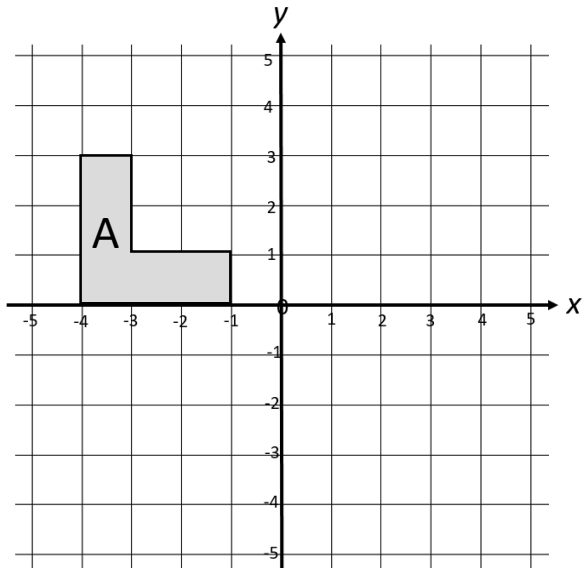
4. Two sides of a right angle triangle are 8cm and 15cm.

There are two possible answers for the third side.

Round your answers to 1 decimal place.

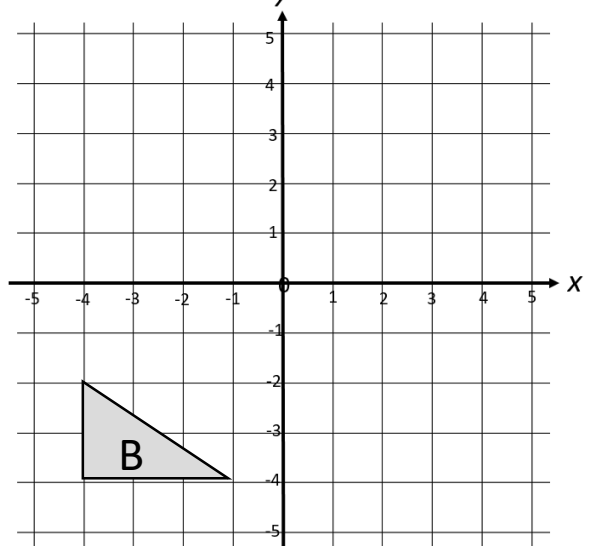
.....  
(2 marks)

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



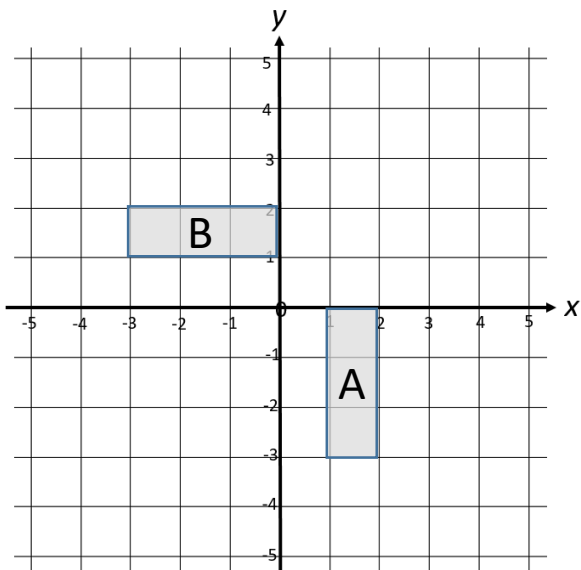
(2 marks)

6. Rotate shape *B* by  $90^\circ$  CW about the center  $(0, -2)$

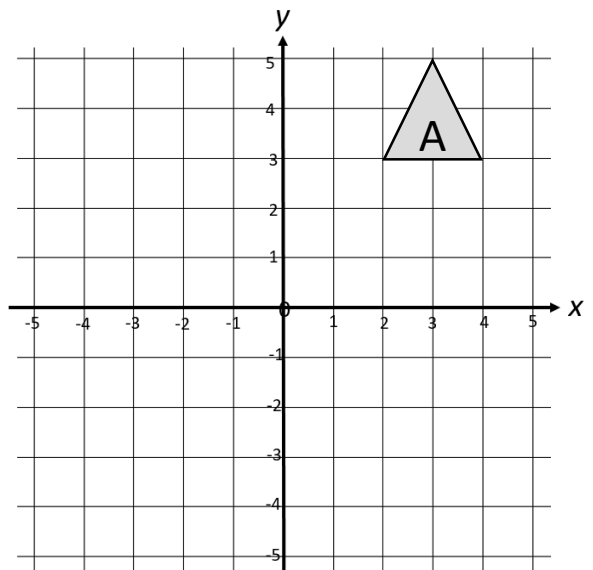


(2 marks)

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



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




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(2 marks)

(2 marks)

Score =