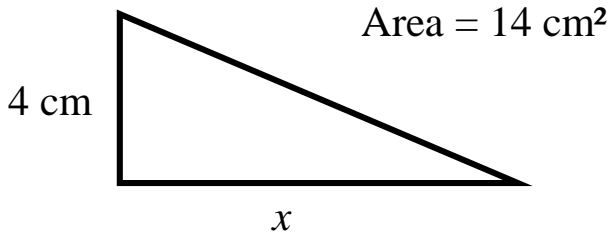
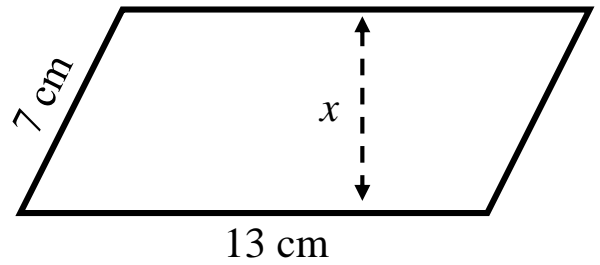


1. Calculate x .



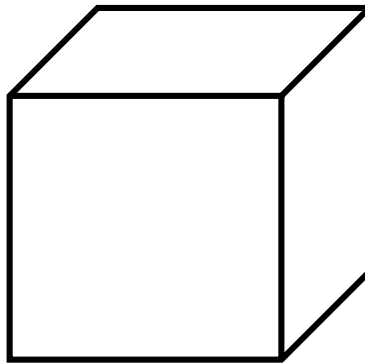
7 cm
.....
(2 marks)

2. Calculate x .



Area = 78 cm^2
 6 cm
(2 marks)

3. Calculate the surface area of the cube below.

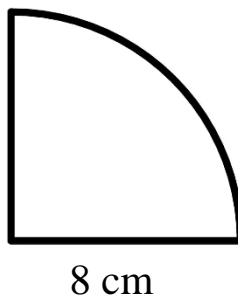


Volume = 1000 cm^3

Surface area =
 600 cm^2
(3 marks)

3. Calculate the area of this quarter-circle.

Leave your answer in terms of π .



$\frac{64\pi}{4}$
 $= 16\pi$
.....
(2 marks)

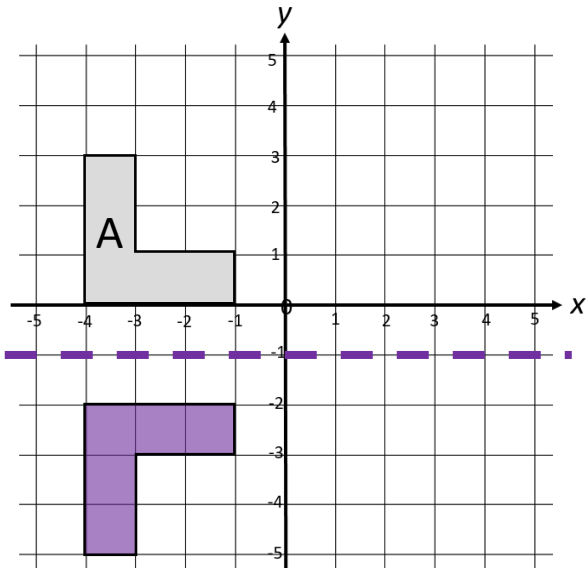
4. Two sides of a right angle triangle are 8cm and 15cm.

There are two possible answers for the third side.

Round your answers to 1 decimal place.

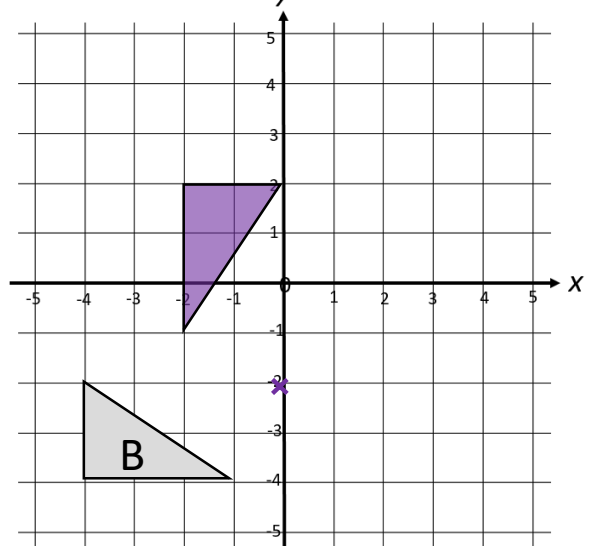
$17 \text{ cm or } 12.7 \text{ cm}$
.....
(2 marks)

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



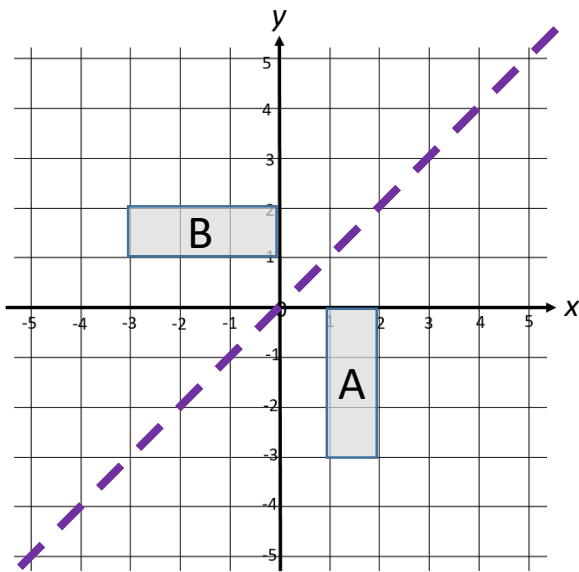
(2 marks)

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



(2 marks)

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

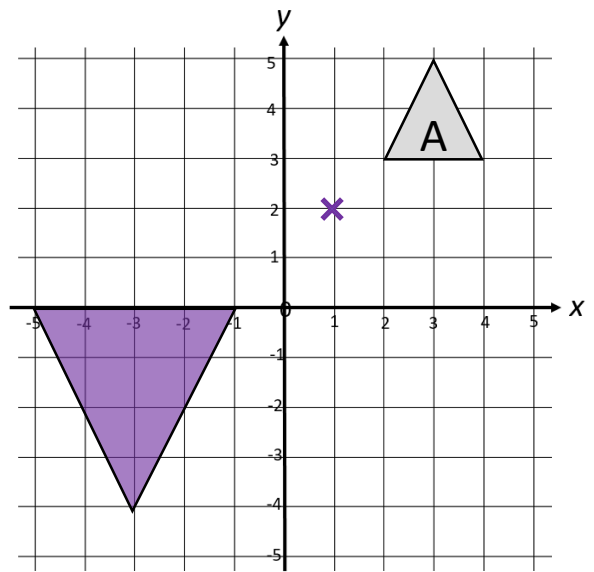


Reflection

In the line $y = x$

(2 marks)

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



(2 marks)

Score =