1. Calculate x.

Area = 14 cm²

4 cm

x

$7cm$
....
(2 marks)

2. Calculate x.

7 cm

x

13 cm
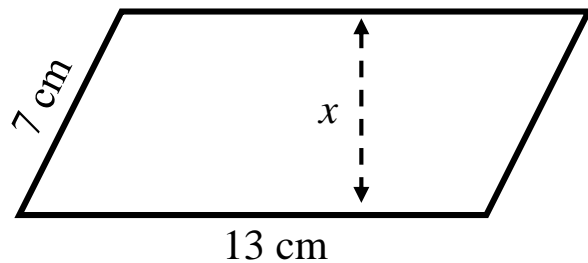
Area = 78 cm²

$6cm$
....
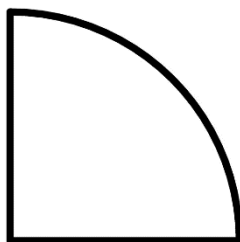(2 marks)

3. Calculate the surface area of the cube below.
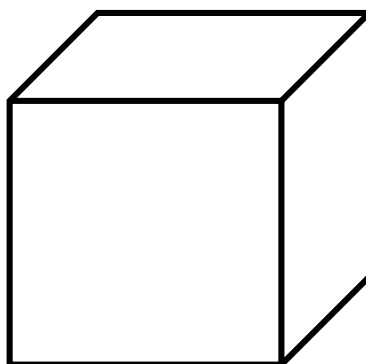
$Volume = 1000cm^3$

$Surface\ area =$ ...$600cm^2$...
(3 marks)

3. Calculate the area of this quarter-circle.
Leave your answer in terms of π.

8 cm

$\dfrac{64\pi}{4}$

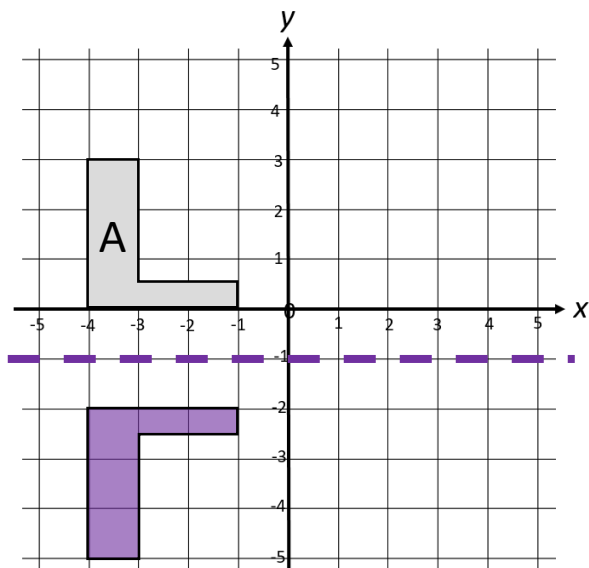$= 16\pi$
....
(2 marks)

4. Two sides of a right angle triangle are 8cm and 15cm.
There are two possible answers for the third side.
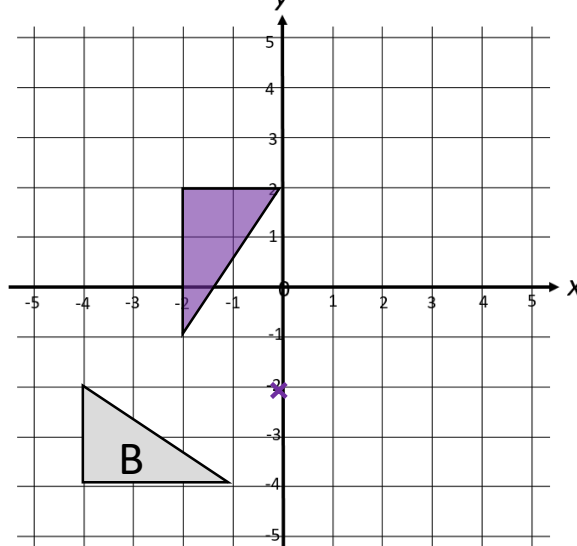Round your answers to 1 decimal place.

$17cm\ or\ 12.7cm$
....
(2 marks)

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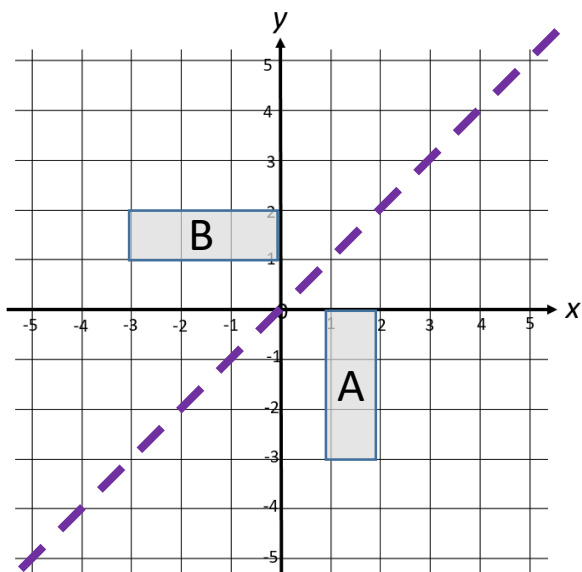

(2 marks)

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

(2 marks)

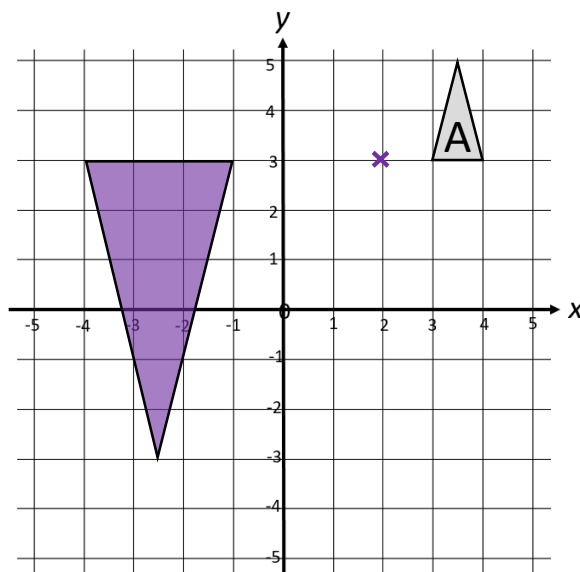7. Describe the single transformation from shape A to B.

Reflection

In the line y = x

(2 marks)

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

(2 marks)

Score =