9-1 Crossover Problem: Pythagoras Area Problem

Step 1

7cm

5cm

x

9cm

x

8.4cm

x

4cm

3.9cm

Work out the length of x

Work out the area of each shape

Step 2

5.3cm

8.9cm

8.4cm

6.8cm

Step 4

Work out the area of the pentagon.

5cm

4cm

8cm

Extension

y

4cm

8cm

5cm

x

1) Work out the surface area
2) Work out the diagonal length from point x to point y

Step 3

5cm

x

14cm

x

6.7cm

11cm

8cm

3cm

7cm

3.9cm
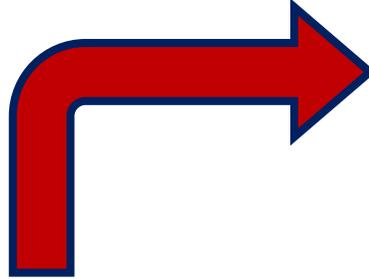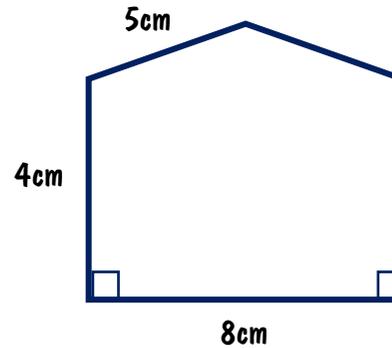
Area = xcm²
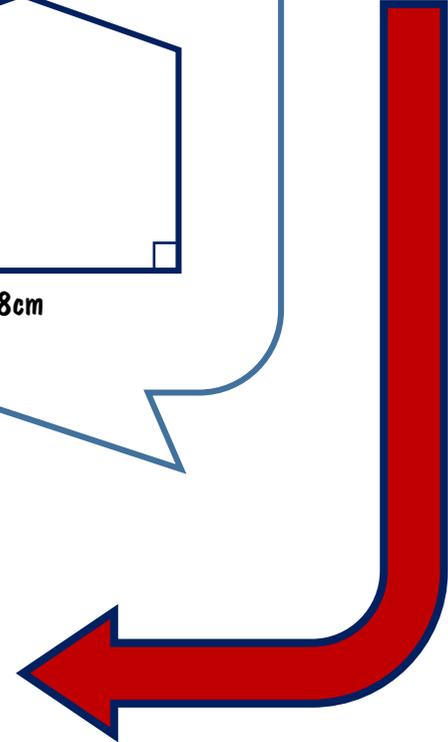
Work out the length x in each of the questions