

Area of Triangles



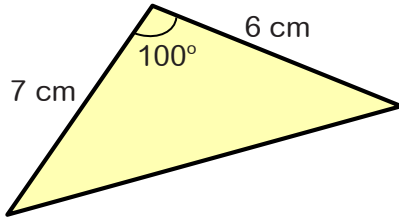
NOT TO SCALE

Give answers to 3 significant figures.

Section A

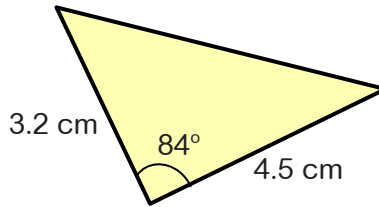
Questions 1 - 5 find the area of the triangles.
Question 6 find the missing side x .

1)



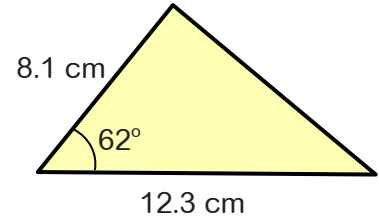
Area = _____

2)



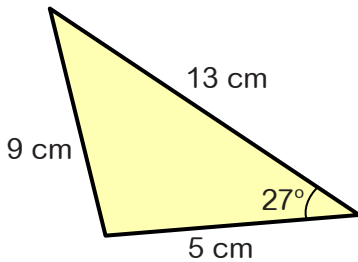
Area = _____

3)



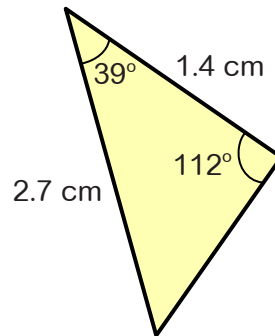
Area = _____

4)



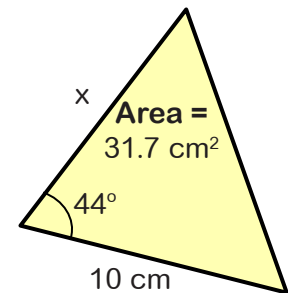
Area = _____

5)



Area = _____

6)

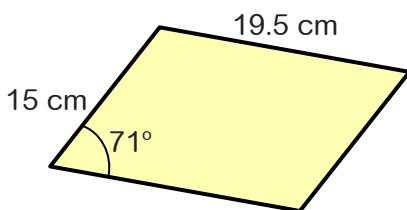


$x =$ _____

Section B

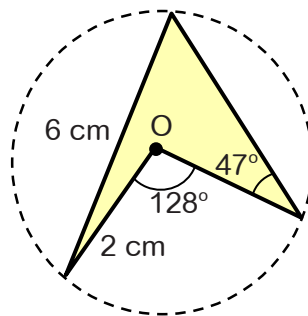
Work out the area of the parallelogram, arrow-head and irregular quadrilateral.

1)



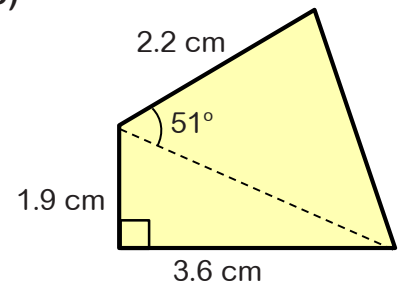
Area = _____

2)



Area = _____

3)



Area = _____

Area of Triangles



Section C

- 1) A regular hexagon has sides lengths 10 cm.
Calculate the area of the hexagon.

- 2) The area of triangle ABC is 19.6 cm^2 .
AB = 5.9 cm, AC = 8.7 cm.
Calculate the two possible sizes of angle A.

Extension

The points X, Y and Z are on the circumference of a circle, with centre O and radius 5 cm.
XY = 7 cm and YZ = 4.5 cm.
Calculate the area of quadrilateral OXYZ.