## Area of Triangles using Heron's Formula

Give answers to 3 significant figures.

NOT TO SCALE
3)

5)
6)

2)


## Area $=$

$\qquad$


Section B
Calculate the area of the parallelogram, arrow-head and irregular quadrilateral.
1)

2)

3)

Area $=$ $\qquad$
$\square$

## Area $=$

$\qquad$

## Area of Triangles using Heron's Formula

## Section C

1) A regular hexagon has sides lengths 10 cm . Calculate the area of the hexagon.
2) The area of triangle $A B C$ is $19.6 \mathrm{~cm}^{2}$.
$A B=5.9 \mathrm{~cm}, A C=8.7 \mathrm{~cm}$.
Calculate the two possible sizes of angle $A$.

## Extension

The points $X, Y$ and $Z$ are are on the circumference of a circle, with center $O$ and radius 5 cm .
$X Y=7 \mathrm{~cm}$ and $Y Z=4.5 \mathrm{~cm}$.
Calculate the area of quadrilateral OXYZ.

