Area of Triangles
Give answers to 3 significant figures.

Section A
Questions 1 - 5 find the area of the triangles, for question 6 find the missing side $x$.

1)  
\[
\text{Area } =
\]

2)  
\[
\text{Area } =
\]

3)  
\[
\text{Area } =
\]

4)  
\[
\text{Area } =
\]

5)  
\[
\text{Area } =
\]

6)  
\[
\text{Area } =
\]

Section B
Work out the area of the parallelogram and irregular quadrilaterals.

1)  
\[
\text{Area } =
\]

2)  
\[
\text{Area } =
\]

3)  
\[
\text{Area } =
\]

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 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 $OXYZ$. 

©cazoom! educational resources
www.cazoommathsworksheets.com
Geometry . Level 10 . Trigonometry . Area of Triangles