

Area of Triangles

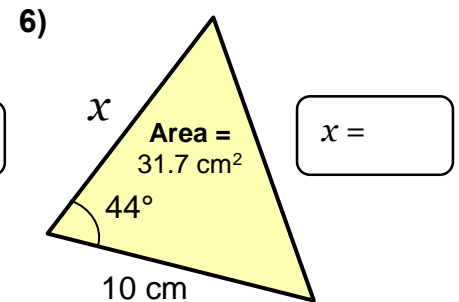
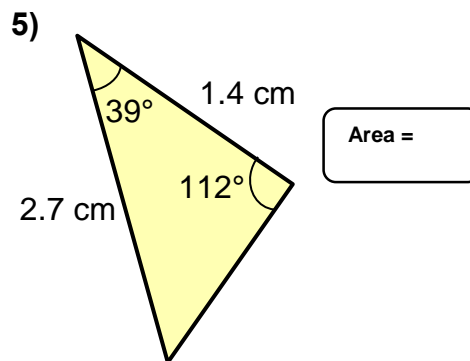
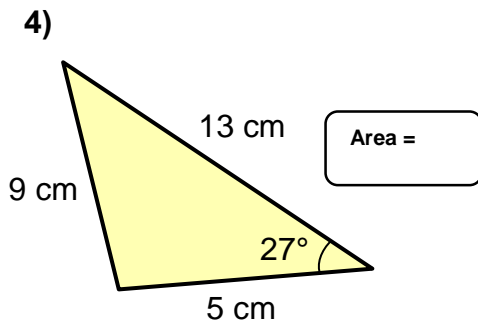
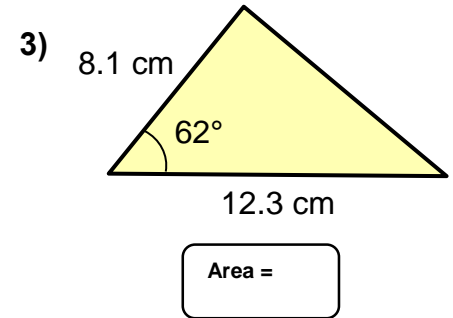
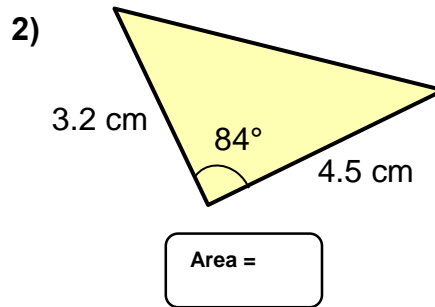
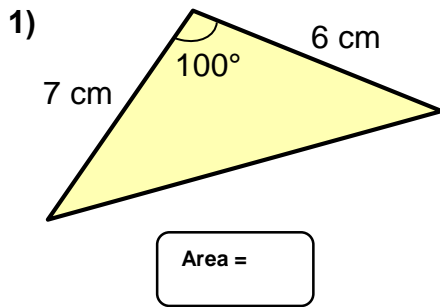
Give answers to 3 significant figures.

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SCALE



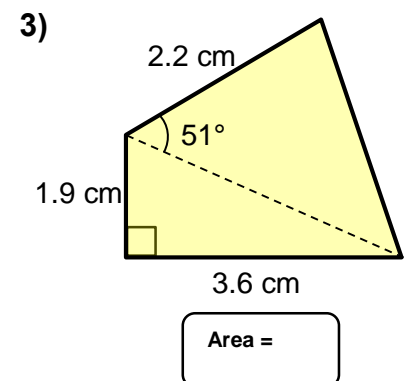
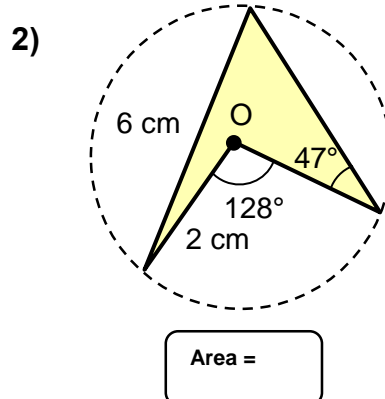
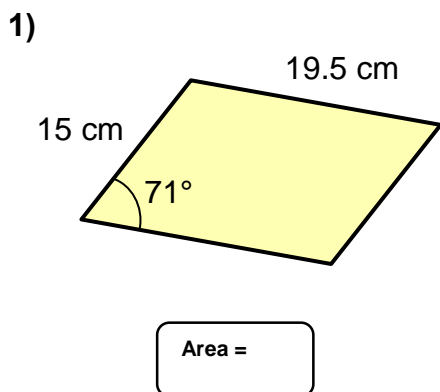
Section A

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



Section B

Work out the area of the parallelogram and irregular quadrilaterals.



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 . $AB = 5.9 \text{ cm}$, $AC = 8.7 \text{ cm}$. 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. $XY = 7 \text{ cm}$ and $YZ = 4.5 \text{ cm}$. Calculate the area of quadrilateral OXYZ.