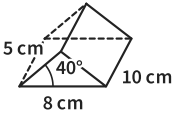
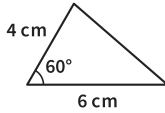
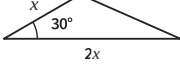
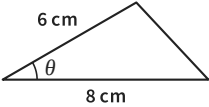
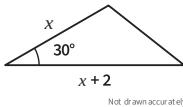
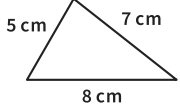
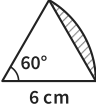
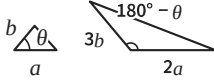
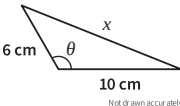


Area of a Triangle Using Sine *ramp up*

ANSWERS



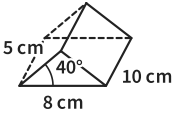
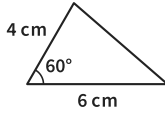
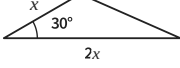
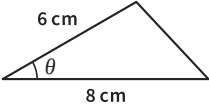
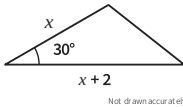
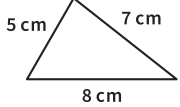
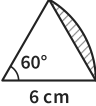
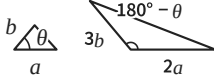
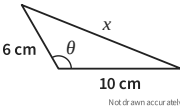
a A rhombus has sides of 7 cm and an angle of 65°. Find its area to 1 dp. 44.4 cm^2 a rhombus: side squared, times sin	b Find the volume to 1 dp  128.6 cm^3 a prism: the area, then the volume	c Find the exact area  $6\sqrt{3} \text{ cm}^2$ an exact area: sin 60°	d Find the area in terms of x  $\frac{1}{2}x^2$ an area in terms of x
e An equilateral triangle has area $9\sqrt{3} \text{ cm}^2$. Find the length of its sides. 6 cm equilateral, backwards and exact	f Area 12 cm^2. Find both values of θ  $30^\circ \text{ or } 150^\circ$ two angles from one area	g The area is 6 cm^2. Find x  $x = 4$ a quadratic from the area	h Find the exact area  $10\sqrt{3} \text{ cm}^2$ three sides: an exact angle inside
i Find the exact shaded area  $6\pi - 9\sqrt{3} \text{ cm}^2$ an exact segment	j Find the ratio of the areas, left : right  $1 : 6$ an area ratio: sin $(180^\circ - \theta)$	k A regular hexagon has sides of length s. Find its exact area in terms of s. $\frac{3\sqrt{3}}{2}s^2$ a hexagon in terms of its side	l Area $15\sqrt{3} \text{ cm}^2$, θ obtuse. Find x  $x = 14 \text{ cm}$ an obtuse angle, then the third side

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Area of a Triangle Using Sine *ramp up*

ANSWERS



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