

Name: _____

Area of a Right Triangle

To find the area of a right triangle, use the formula $\frac{1}{2} \times \text{base} \times \text{height}$. This formula is often written as $\frac{1}{2} \times (b \times h) = A$.

The triangle pictured here has a base of 10 cm and a height of 8 cm.

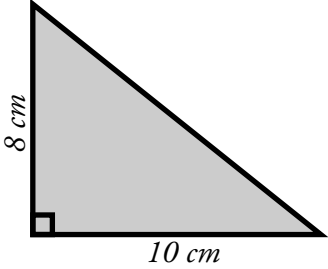
$$b = 10 \text{ cm}$$

$$h = 8 \text{ cm}$$

$$\frac{1}{2} \times 10 \text{ cm} \times 8 \text{ cm} = 40 \text{ cm}^2$$

Note that the area's unit is written as cm^2 .

This is said as "square centimeters" or "centimeters squared".



Find the area of each triangle.

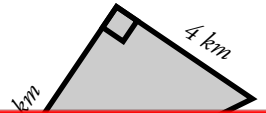
a.



b.



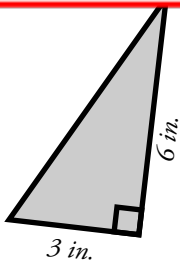
c.



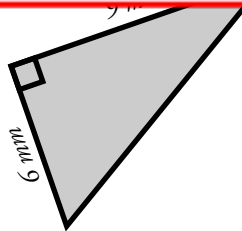
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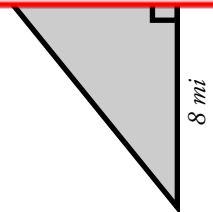
d.



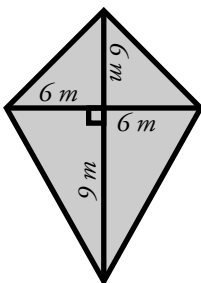
e.



f.

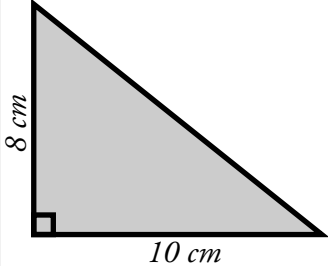


Challenge: Find the area of the polygon. Use the back if you need work space.



ANSWER KEY

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Find the area of each triangle



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