



Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

Formula to find the area of a triangle:  $\text{area} = \frac{1}{2} \times \text{base} \times \text{height}$  or  $A = \frac{1}{2} \times b \times h$

example

$b = 8 \text{ cm}$   
 $h = 14 \text{ cm}$   
 $A = \frac{1}{2} \times 8 \text{ cm} \times 14 \text{ cm}$   
 $A = \frac{1}{2} \times 112 \text{ cm}^2$   
 $A = 56 \text{ cm}^2$

Find the area of each triangle.

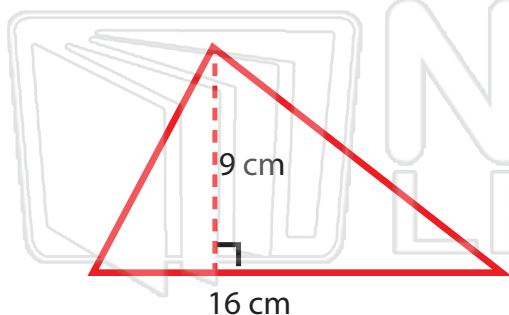
1. A = \_\_\_\_\_

**PREVIEW**

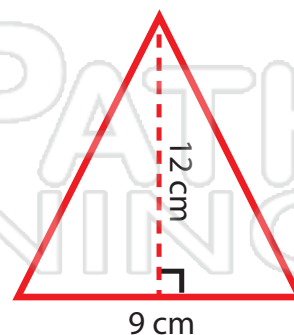
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2. A = \_\_\_\_\_

5. A = \_\_\_\_\_



3. A = \_\_\_\_\_



6. A = \_\_\_\_\_



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Formula to find the area of a triangle:  $\text{area} = \frac{1}{2} \times \text{base} \times \text{height}$  or  $A = \frac{1}{2} \times b \times h$

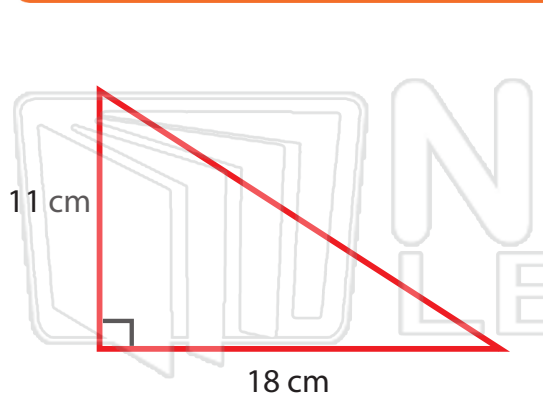
example

$b = 8 \text{ cm}$   
 $h = 14 \text{ cm}$   
 $A = \frac{1}{2} \times 8 \text{ cm} \times 14 \text{ cm}$   
 $A = \frac{1}{2} \times 112 \text{ cm}^2$   
 $A = 56 \text{ cm}^2$

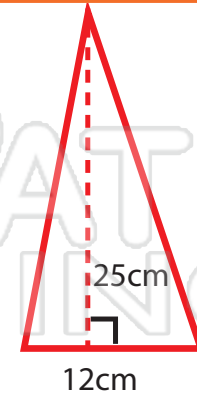
Find the area of each triangle.

1. A

2. A



3. A = \_\_\_\_\_



6. A = \_\_\_\_\_



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Formula to find the area of a triangle:  $\text{area} = \frac{1}{2} \times \text{base} \times \text{height}$  or  $A = \frac{1}{2} \times b \times h$

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 $A = 56 \text{ cm}^2$

Find the area of each triangle.

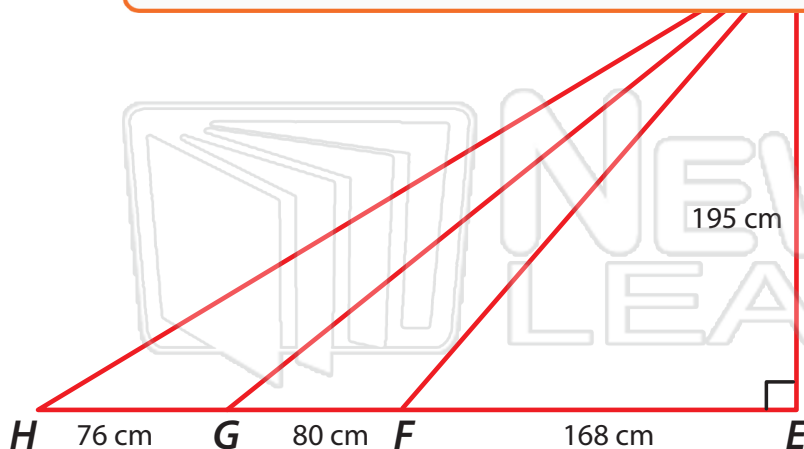


1. Find the area of  $\triangle ABE$

**PREVIEW**

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A



area = \_\_\_\_\_

5. Find the area of  $\triangle DFG$

area = \_\_\_\_\_

6. Find the area of  $\triangle DEH$

area = \_\_\_\_\_



# Area of Triangles

Math

Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

Formula to find the area of a triangle:  $\text{area} = \frac{1}{2} \times \text{base} \times \text{height}$  or  $A = \frac{1}{2} \times b \times h$

example

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 $h = 14 \text{ cm}$   
 $A = \frac{1}{2} \times 8 \text{ cm} \times 14 \text{ cm}$   
 $A = \frac{1}{2} \times 112 \text{ cm}^2$   
 $A = 56 \text{ cm}^2$

Find the area of each triangle.

**PREVIEW**

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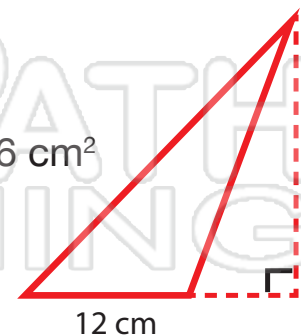
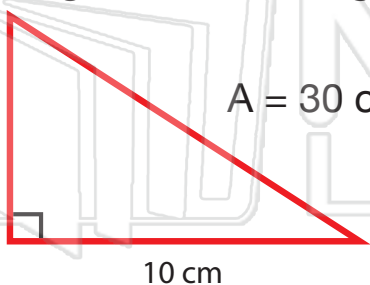
A = \_\_\_\_\_  
Find \_\_\_\_\_

\_\_\_\_\_ m<sup>2</sup>

A = \_\_\_\_\_

A = \_\_\_\_\_

Find the height of each triangle.



A = \_\_\_\_\_

A = \_\_\_\_\_



Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

Formula to find the area of a triangle:  $\text{area} = \frac{1}{2} \times \text{base} \times \text{height}$  or  $A = \frac{1}{2} \times b \times h$

example

$b = 8 \text{ cm}$   
 $h = 14 \text{ cm}$   
 $A = \frac{1}{2} \times 8 \text{ cm} \times 14 \text{ cm}$   
 $A = \frac{1}{2} \times 112 \text{ cm}^2$   
 $A = 56 \text{ cm}^2$

Find the area of each triangle.

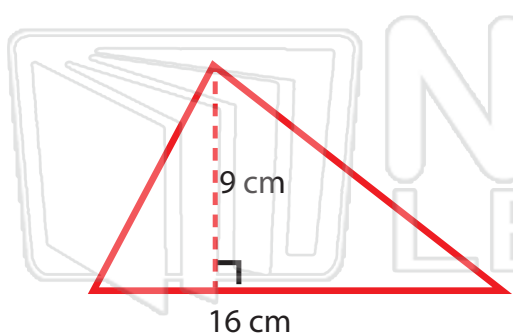
1. A

**PREVIEW**

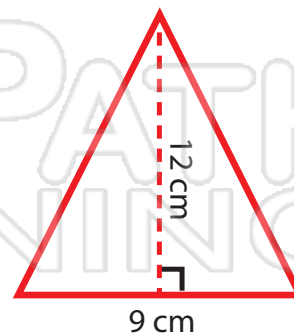
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2.  $A = \frac{72 \times 22 \times 10}{2} = 792 \text{ cm}^2$

5.  $A = \frac{72 \times 10 \times 10}{2} = 360 \text{ cm}^2$



3.  $A = \frac{1}{2} \times 16 \times 9 = 72 \text{ cm}^2$



6.  $A = \frac{1}{2} \times 9 \times 12 = 54 \text{ cm}^2$



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example

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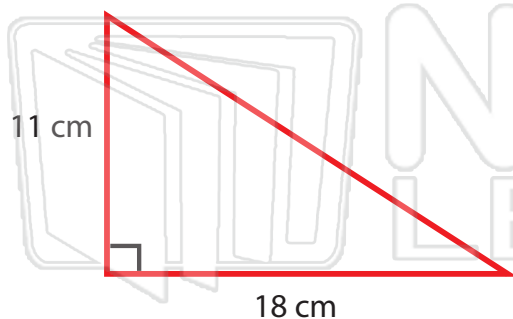
Find the area of each triangle.

1. A

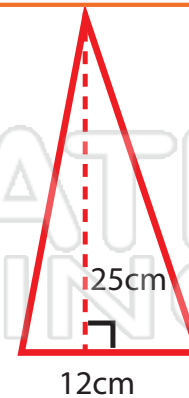
**PREVIEW**

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2. A



3.  $A = \frac{1}{2} \times 18 \times 11 = 99 \text{ cm}^2$

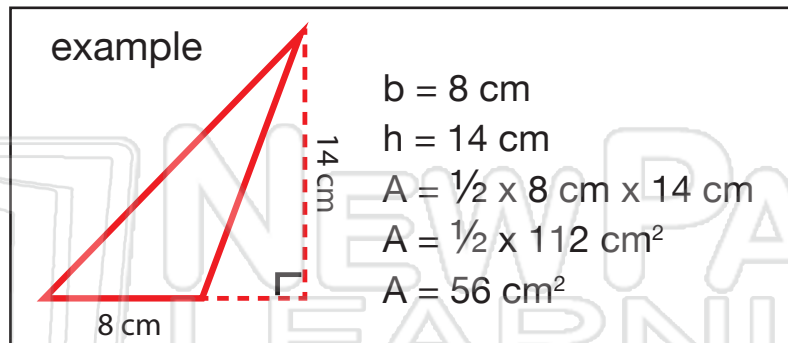


6.  $A = \frac{1}{2} \times 12 \times 25 = 150 \text{ cm}^2$



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Find the area of each triangle.

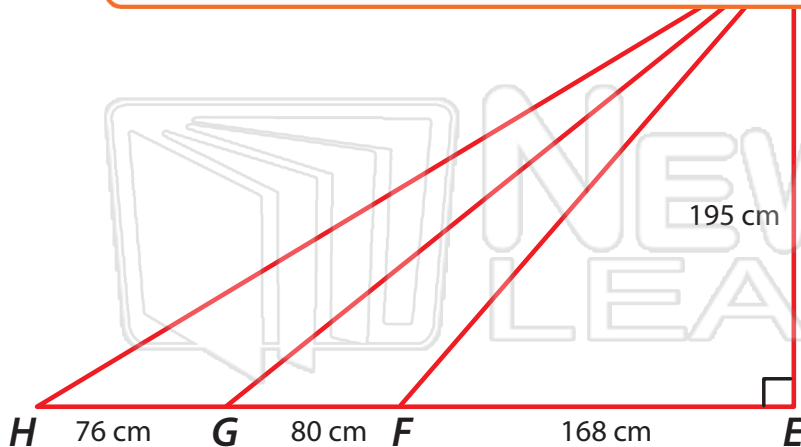
▲ E

1. Find the area of  $\Delta ABE$

**PREVIEW**

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30 cm<sup>2</sup>  
1,170 cm<sup>2</sup>  
29,820 cm<sup>2</sup>



area =  $\frac{1}{2} \times 168 \times 195 = 16,380 \text{ cm}^2$

5. Find the area of  $\Delta DFG$

area =  $\frac{1}{2} \times 80 \times 195 = 7,800 \text{ cm}^2$

6. Find the area of  $\Delta DEH$

area =  $\frac{1}{2} \times (168+80+76) \times 195 = 31,590 \text{ cm}^2$



# Area of Triangles

Math

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Find the area of each triangle.

$A =$  \_\_\_\_\_  
 Find \_\_\_\_\_

**PREVIEW**

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$A = \frac{1}{2} \times 10 \times 6 = 30 \text{ cm}^2$ ,  $b = 10 \text{ cm}$        $A = \frac{1}{2} \times 12 \times 21 = 126 \text{ cm}^2$ ,  $b = 12 \text{ cm}$

Find the height of each triangle.

$A = 30 \text{ cm}^2$        $A = 126 \text{ cm}^2$

10 cm      12 cm

$A = \frac{1}{2} \times 10 \times h = 30 \text{ cm}^2$  ;  $h = 6 \text{ cm}$

$A = \frac{1}{2} \times 12 \times h = 126 \text{ cm}^2$  ;  $h = 21 \text{ cm}$