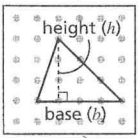
Name _____

Explore Area of Triangles

12-5 RETEACH

You can use a formula to find the area of a triangle.

Find the area of the triangle. Use the formula $A = \frac{1}{2} \times b \times h$, where A = area, b = base, and h = height.



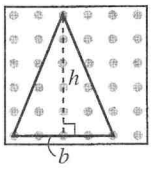
$A = \frac{1}{2} \times b \times h$

$A = \frac{1}{2} \times 4 \times 3$

$A = 6$ square units

On each figure, label the base, b, and label the height, h. Then find the area of each figure.

1.

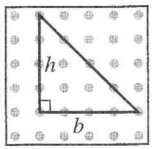


$A = \frac{1}{2} \times b \times h$

$A = \frac{1}{2} \times \_\_\_ \times \_\_\_$

$A =$ _____ square units

2.

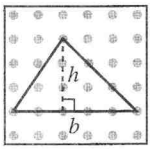


$A = \frac{1}{2} \times b \times h$

$A = \_\_\_ \times \_\_\_ \times \_\_\_$

$A =$ _____ square units

3.



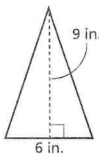
$A = \frac{1}{2} \times b \times h$

$A = \_\_\_ \times \_\_\_ \times \_\_\_$

$A =$ _____ square units

Find the area of each figure.

4.

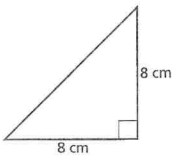


$A = \frac{1}{2} \times b \times h$

$A = \_\_\_ \times \_\_\_ \times \_\_\_$

$A =$ _____ $in.^2$

5.

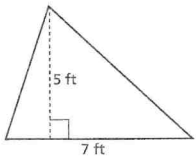


$A = \frac{1}{2} \times b \times h$

$A = \_\_\_ \times \_\_\_ \times \_\_\_$

$A =$ _____ cm^2

6.



$A = \frac{1}{2} \times b \times h$

$A = \_\_\_ \times \_\_\_ \times \_\_\_$

$A =$ _____ ft^2