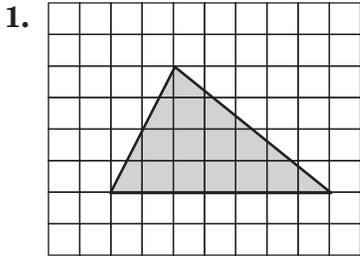


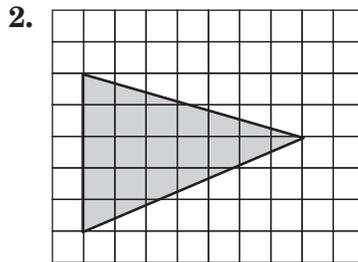
# Lesson 2 Homework Practice

## Area of Triangles

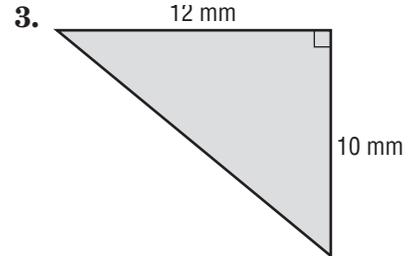
Find the area of each triangle.



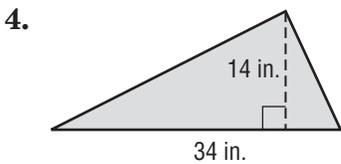
**14 units<sup>2</sup>**



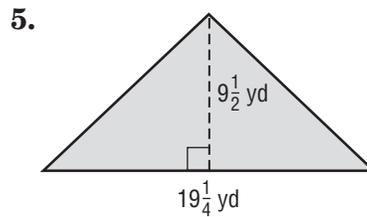
**17.5 units<sup>2</sup>**



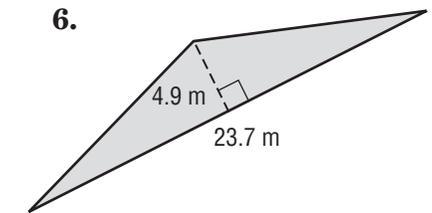
**60 mm<sup>2</sup>**



**238 in<sup>2</sup>**



**91 <sup>7</sup>/<sub>16</sub> yd<sup>2</sup>**



**58.065 m<sup>2</sup>**

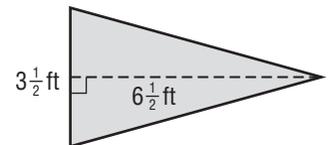
Find the missing dimension.

7. height: 15 ft  
area: 285 ft<sup>2</sup>  
**38 ft**

8. base: 17 cm  
area: 18.7 cm<sup>2</sup>  
**2.2 cm**

9. height:  $12 \frac{1}{4}$  in.  
area:  $128 \frac{5}{8}$  in<sup>2</sup>  
**21 in.**

10. **PENNANT** Tameeka is in charge of designing a school pennant for spirit week. She wants the base to be  $3 \frac{1}{2}$  feet and the height to be  $6 \frac{1}{2}$  feet. She has 20 square feet of paper available. Does she have enough paper? Explain.



**Yes, she needs  $11 \frac{3}{8}$  ft<sup>2</sup> of paper.**

11. **FLAGS** What is the area of the triangle on the flag of Bosnia and Herzegovina? **144.5 cm<sup>2</sup>**

12. **MURALS** Aubrey is painting a mural of an ocean scene. The triangular sail on a sailboat has a base of 4 feet and a height of 6 feet. Aubrey will paint the sail using a special white paint. A can of this paint covers 10 square feet. How many cans of white paint will Aubrey need?

**2 cans**

