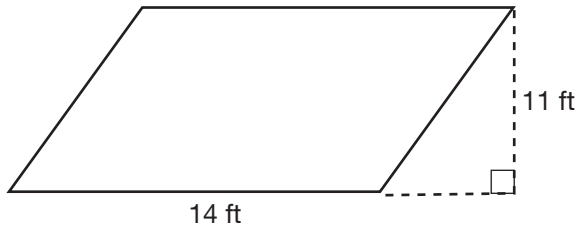


# Area of Parallelograms and Triangles

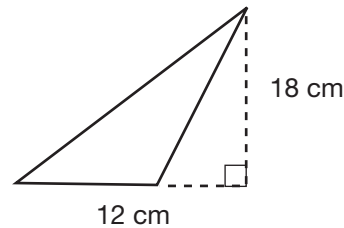
Find the area of each parallelogram or triangle.

1.



\_\_\_\_\_

2.



\_\_\_\_\_

3. Triangle

$b = 30$  m  
 $h = 15$  m

\_\_\_\_\_

4. Parallelogram

$b = 18$  in.  
 $h = 2$  ft

\_\_\_\_\_

5. Triangle

$b = 20$  ft  
 $h = 3$  yd

\_\_\_\_\_

6. **Writing to Explain** The area of a triangle is 42 square inches. The triangle's base is 6 inches. Find the height of the triangle. Explain how you do it.

\_\_\_\_\_  
\_\_\_\_\_

7. **Number Sense** A parallelogram has a base of 4 m and a height of 3 m. Find the area of the parallelogram in square centimeters.

\_\_\_\_\_

8. **Estimation** Which is the best estimate of the area of a triangle that has a base of 23.62 cm and a height of 8.33 cm?

- A** 200 cm<sup>2</sup>      **B** 160 cm<sup>2</sup>      **C** 100 cm<sup>2</sup>      **D** 50 cm<sup>2</sup>

9. **Reasoning** The area of a figure is 36 cm<sup>2</sup>. Give 4 possible shapes of the figure. Where possible give 3 possible sets of dimensions for each possible shape.

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