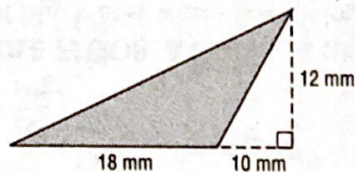


11-1 Skills Practice**Areas of Parallelograms and Triangles**

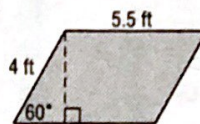
Find the perimeter and area of each parallelogram or triangle. Round to the nearest tenth if necessary.

1.



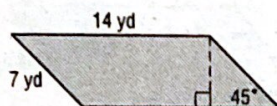
64.1 mm; 108 mm²

2.



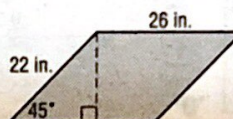
19 ft, 19.1 ft²

3.



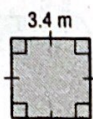
42 yd; 69.3 yd²

4.



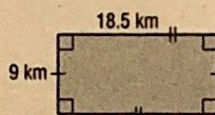
96 in., 404.5 in²

5.



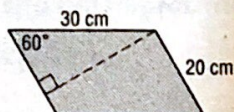
13.6 m; 11.6 m²

6.



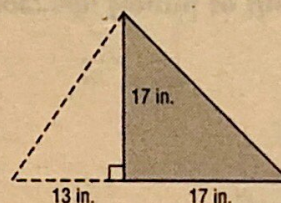
55 km; 166.5 km²

7.



100 cm; 519.6 cm²

8.



58 in; 144.5 in²

9. The height of a parallelogram is 10 feet more than its base. If the area of the parallelogram is 1200 square feet, find its base and height.

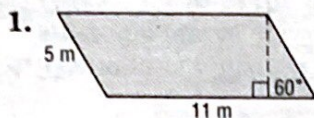
$b = 30$ ft; $h = 40$ ft

10. The base of a triangle is one half of its height. If the area of the triangle is 196 square millimeters, find its base and height.

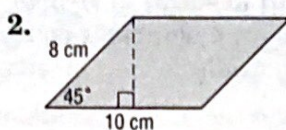
$b = 14$ mm; $h = 28$ mm

11-1 Practice**Areas of Parallelograms and Triangles**

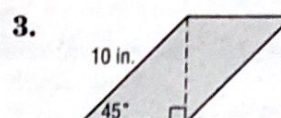
Find the perimeter and area of each parallelogram or triangle. Round to the nearest tenth if necessary.



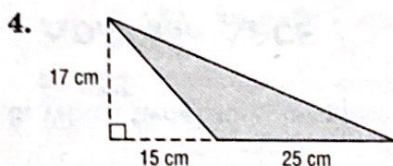
32 m; 47.6 m²



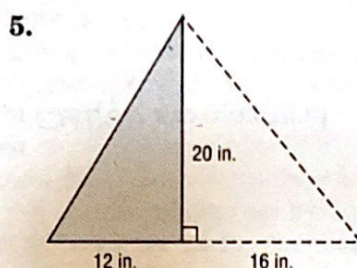
36 cm; 56.6 cm²



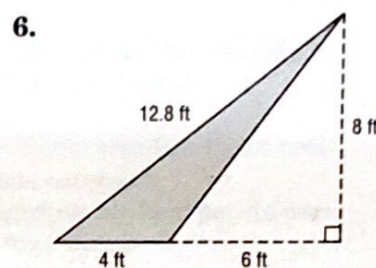
34.1 in.; 50 in²



91.1 cm; 212.5 cm²



55.3 in.; 120 in²



26.8 ft; 16 ft²

7. The height of a parallelogram is 5 feet more than its base. If the area of the parallelogram is 204 square feet, find its base and height.

$b = 12$ ft, $h = 17$ ft

8. The height of a parallelogram is three times its base. If the area of the parallelogram is 972 square inches, find its base and height.

$b = 18$ in., $h = 54$ in.

9. The base of a triangle is four times its height. If the area of the triangle is 242 square millimeters, find its base and height.

$b = 44$ mm; $h = 11$ mm

10. **FRAMING** A rectangular poster measures 42 inches by 26 inches. A frame shop fitted the poster with a half-inch mat border.

a. Find the area of the poster. **1092 in²**

b. Find the area of the mat border. **69 in²**

c. Suppose the wall is marked where the poster will hang. The marked area includes an additional 12-inch space around the poster and frame. Find the total wall area that has been marked for the poster. **3417 in²**