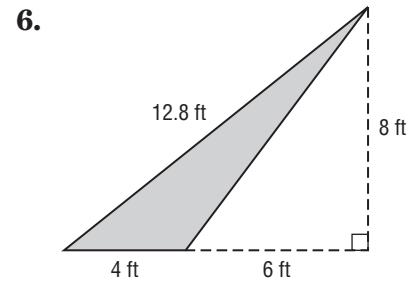
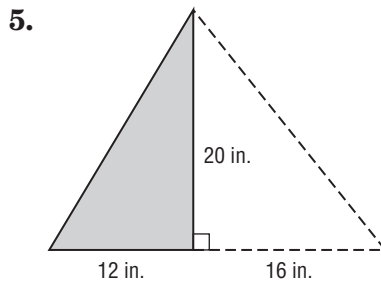
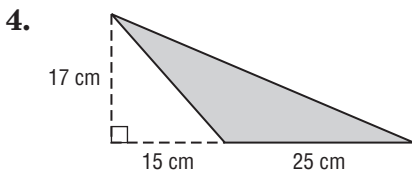
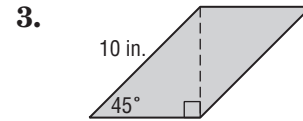
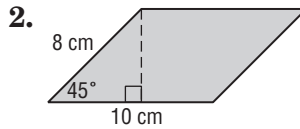
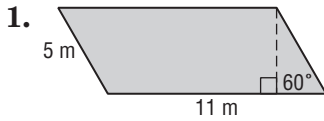


# 11-1 Practice

## Areas of Parallelograms and Triangles

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



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.
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.
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.
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.
  - b. Find the area of the mat border.
  - 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.