

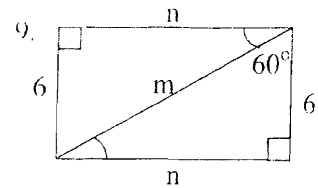
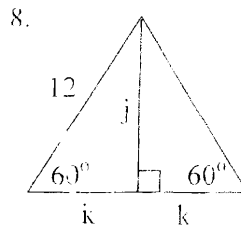
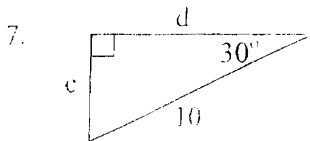
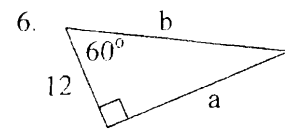
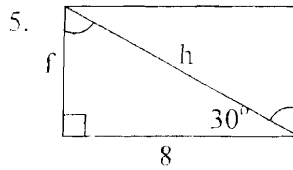
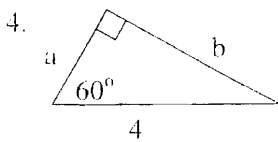
# 30-60-90 Triangles

## Practice C

Name: \_\_\_\_\_  
Date: \_\_\_\_\_

- In a 30-60-90 triangle, the ratio of the length of the short leg to the hypotenuse is: \_\_\_\_\_
- In a 30-60-90 triangle, the ratio of the length of the short leg to the long leg is: \_\_\_\_\_
- In a 30-60-90 triangle, the ratio of the length of the hypotenuse to the long leg is: \_\_\_\_\_

Find the value of each variable in radical form:



- What is the length of an altitude of an equilateral triangle whose sides have lengths of  $12\sqrt{2}$ ?
- What is the length of a side of an equilateral triangle whose altitude has a length of 21?
- An equilateral triangle has side lengths of 20. Find the length of its altitude.
- Find the length of an altitude of an equilateral triangle whose side length is  $4\sqrt{3}$ .