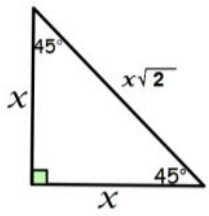
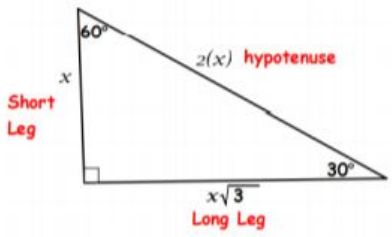
## $45^\circ - 45^\circ - 90^\circ$ Triangle:

In a $45^\circ - 45^\circ - 90^\circ$ Triangle, the hypotenuse is $\sqrt{2}$ times as long as each leg.

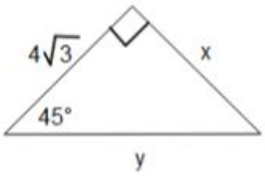
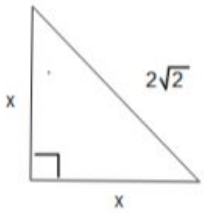
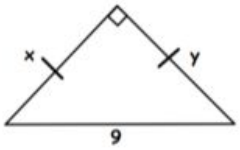
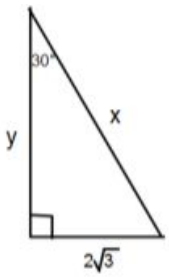
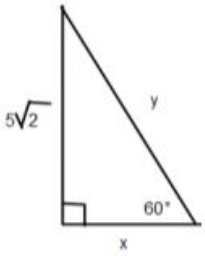
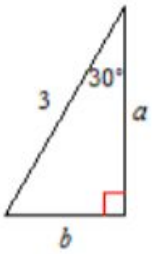
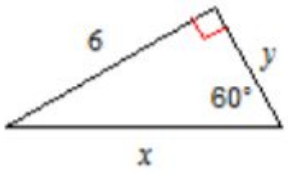



## $30^\circ - 60^\circ - 90^\circ$ Triangle:

In a $30^\circ - 60^\circ - 90^\circ$ Triangle, the hypotenuse is 2 times longer than the shortest leg and the longest leg is $\sqrt{3}$ times as long as the shortest leg.




**Steps:**

1. Identify the type of triangle
    a. 45-45-90 Triangle
    b. 30-60-90 Triangle
2. Write down the equations
3. Identify the sides
4. Determine what you need to solve for
5. Set up the equation
6. Solve

1. Find the missing sides: