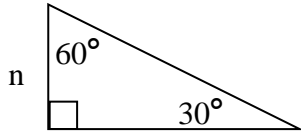


Special Right Triangles

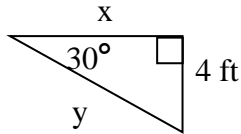
30° – 60° – 90° Δ



If the short leg (opposite the 30°) is _____ units, then the _____ (opposite the 60°) is _____ units, and the _____ (opposite the right angle) is _____ units.

Find the measures of all sides of each triangle. Leave answers in exact form.

1.



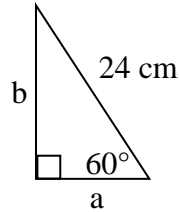
30° – 60° – 90° Δ

SL: $n =$

LL: $n\sqrt{3} =$

Hyp: $2n =$

2.



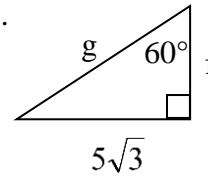
30° – 60° – 90° Δ

SL: $n =$

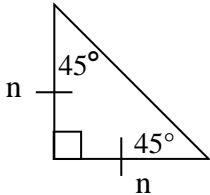
LL: $n\sqrt{3} =$

Hyp: $2n =$

3.



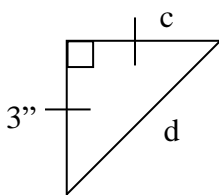
45° – 45° – 90° Δ



This triangle is called an _____ triangle. Both legs are _____. If the legs are both n units, then the hypotenuse is _____ units by the _____.

Find the measures of all sides of each triangle. Leave answers in exact form.

1.

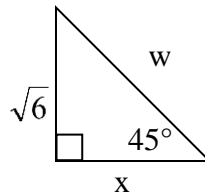


45° – 45° – 90° Δ

Leg: $n =$

Hyp: $n\sqrt{2} =$

2.



45° – 45° – 90° Δ

Leg: $n =$

Hyp: $n\sqrt{2} =$

3.

