**45-45-90 Triangle**

 Leg to Hypotenuse-----> Multiply by $\sqrt{2}$

 Hypotenuse to Leg-----> Divide by $\sqrt{2}$ or multiply by $\frac{\sqrt{2}}{2}$

**30-60-90 Triangle**

Short Leg to Long Leg-----> Multiply by $\sqrt{3}$

 Short Leg to Hypotenuse-----> Multiply by 2

 Hypotenuse to Short Leg-----> Divide by 2

 Long Leg to Short Leg-----> Divide by $\sqrt{3}$ or multiply by $\frac{\sqrt{3}}{3}$

**45-45-90 Triangle**

 Leg to Hypotenuse-----> Multiply by $\sqrt{2}$

 Hypotenuse to Leg-----> Divide by $\sqrt{2}$

**30-60-90 Triangle**

Short Leg to Long Leg-----> Multiply by $\sqrt{3}$

 Short Leg to Hypotenuse-----> Multiply by 2

 Hypotenuse to Short Leg-----> Divide by 2

 Long Leg to Short Leg-----> Divide by $\sqrt{3}$