Sec 8-2: Special Right Triangles. NOTES $45^{\circ} - 45^{\circ} - 90^{\circ} \text{ Triangle:} \quad \text{also known as an isosceles right triangle.}$ • Legs are congruent

• Hypotenuse

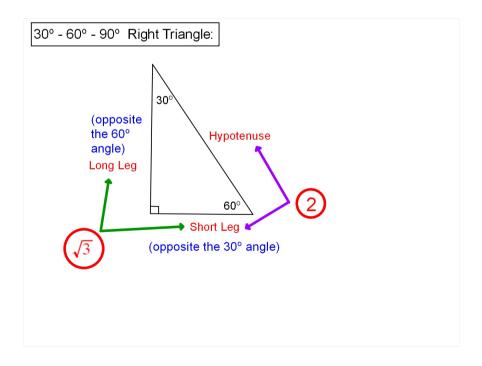
• Leg = Hypotenuse

Leg

Leg

Leg

Leg



Rationalizing a denominator.

Since $\sqrt{2}$ is an irrational number we must do something to eliminate it from the denominator.

$$\frac{13}{\sqrt{2}} \cdot \frac{\sqrt{2}}{\sqrt{2}} = \frac{3/2}{2}$$

