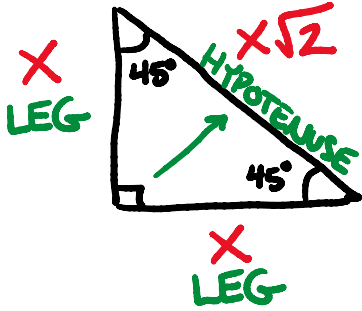


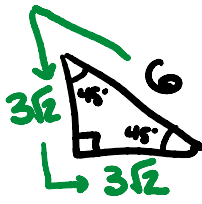
7.2 Special Right Triangles

Wednesday, June 19, 2019 2:04 PM

45° - 45° - 90°



- ① LEG = LEG
- ② HYP = LEG · $\sqrt{2}$

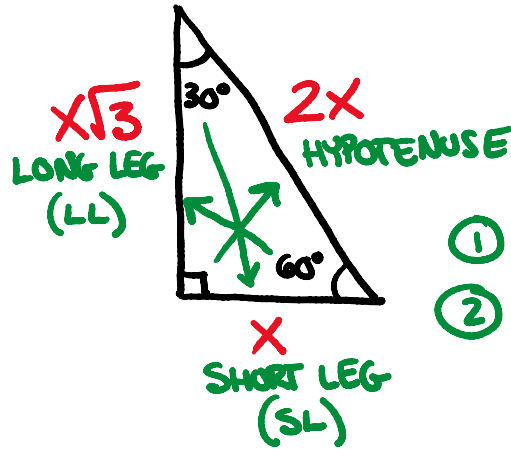


$$\text{HYP} = \text{LEG} \cdot \sqrt{2}$$

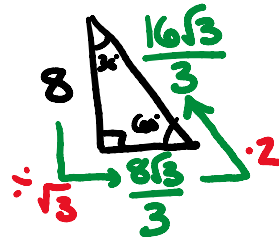
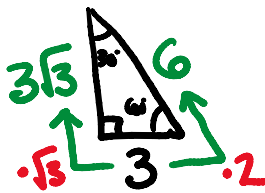
$$6 = \text{LEG} \cdot \sqrt{2}$$

$$\frac{6}{\sqrt{2}} \cdot \frac{\sqrt{2}}{\sqrt{2}} = \frac{6\sqrt{2}}{2} = 3\sqrt{2}$$

30° - 60° - 90°



- ① LL = SL · $\sqrt{3}$
- ② HYP = SL · 2



$$\text{LL} = \text{SL} \cdot \sqrt{3}$$

$$8 = \text{SL} \cdot \sqrt{3}$$

$$\frac{8}{\sqrt{3}} \cdot \frac{\sqrt{3}}{\sqrt{3}} = \frac{8\sqrt{3}}{3}$$

