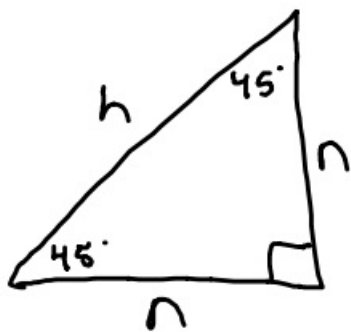
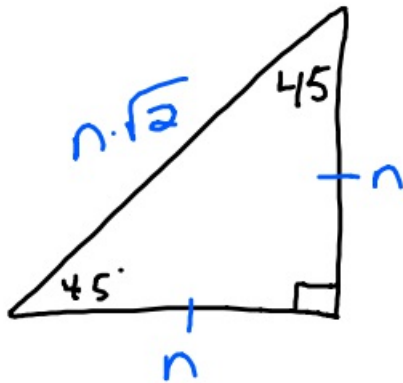


1-30-20 6<sup>th</sup> Geo



$$n^2 + n^2 = h^2$$

$$\sqrt{2n^2} = \sqrt{h^2}$$

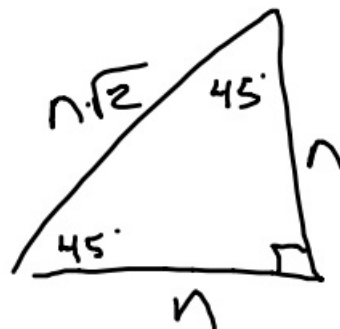
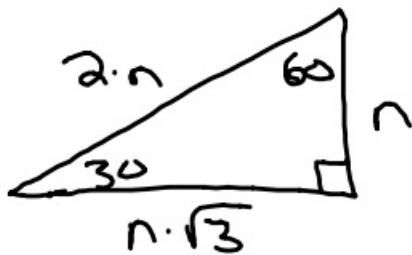
$$\sqrt{2 \cdot n \cdot n} = h$$

$$n\sqrt{2} = h$$



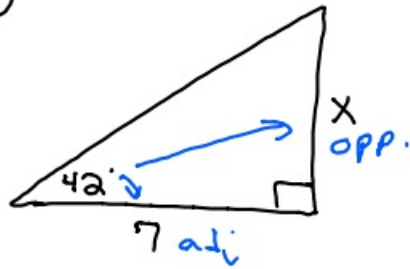
$$\frac{4}{\sqrt{2}} = 2\sqrt{2}$$

$$\frac{4}{\sqrt{2}} \cdot \frac{\sqrt{2}}{\sqrt{2}} = \frac{4\sqrt{2}}{2} = 2\sqrt{2}$$



# Review

①



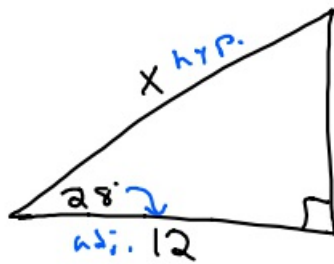
SOH CAH **TU/A**

$$\frac{\tan 42^\circ}{1} = \frac{x}{7}$$

$$x = 7 \cdot \tan 42^\circ$$

$$x \approx 6.3$$

②



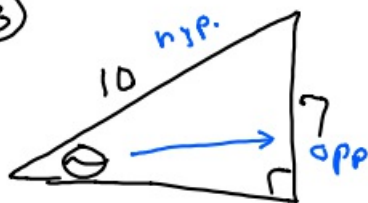
SOH **CA/H** TOA

$$\frac{\cos 28^\circ}{1} = \frac{12}{x}$$

$$\frac{x \cdot \cos 28^\circ}{\cancel{\cos 28^\circ}} = \frac{12}{\cancel{\cos 28^\circ}}$$

$$x \approx 13.6$$

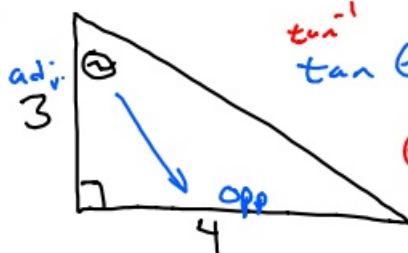
③



$$\cancel{\sin^{-1}} \sin \theta = \sin^{-1} \frac{7}{10}$$

$$\theta \approx 44.4^\circ$$

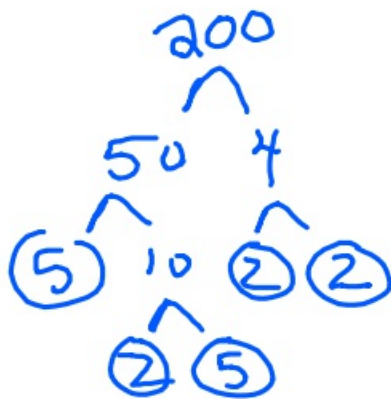
④



$$\tan^{-1} \tan \theta = \tan^{-1} \frac{4}{3}$$

$$\theta \approx 53.1^\circ$$

$$\textcircled{5} \sqrt{200}$$



$$5 \cdot 2 \sqrt{2 \cdot 2 \cdot 2 \cdot 5 \cdot 5}$$

$$10\sqrt{2}$$

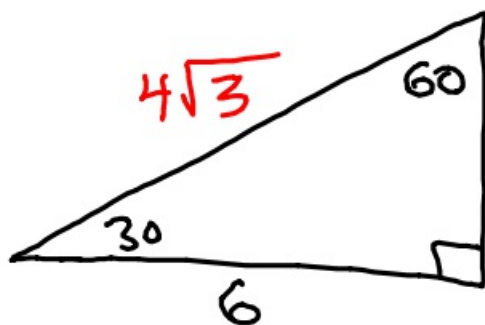
$$\textcircled{6} 3\sqrt{5} \cdot 2\sqrt{2} = 6\sqrt{10}$$

$$\textcircled{7} 3\sqrt{2} \cdot 4\sqrt{2} = 24$$

$$12\sqrt{4}$$

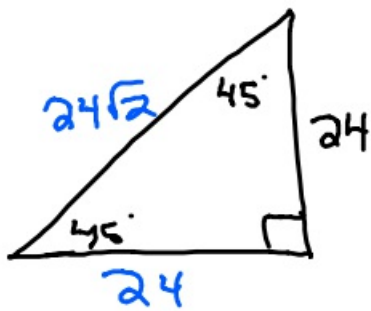
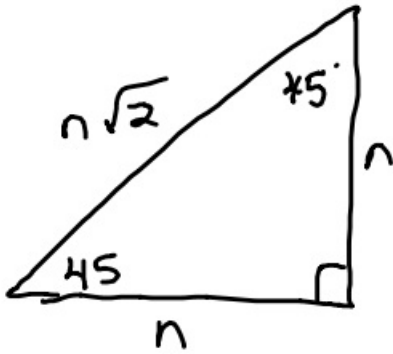
$$12 \cdot 2 = 24$$

$\textcircled{8}$



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

1-30-20 7<sup>th</sup> Geo

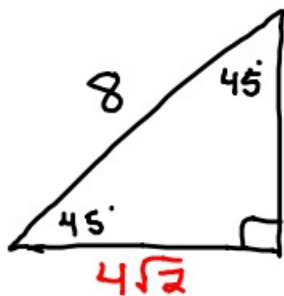


$$n^2 + n^2 = h^2$$

$$\sqrt{2n^2} = h$$

$$n\sqrt{2} = h$$

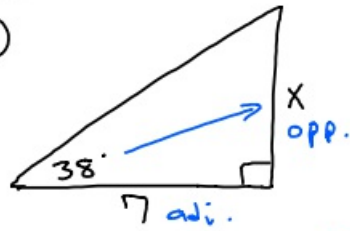
$$n\sqrt{2} = h$$



$$\frac{8}{\sqrt{2}} \frac{\sqrt{2}}{\sqrt{2}} = \frac{8\sqrt{2}}{2} = 4\sqrt{2}$$

## Review

①



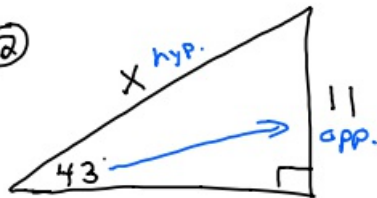
SOH CAH **TOA**

$$\frac{\tan 38^\circ}{1} = \frac{X}{7}$$

$$X = 7 \cdot \tan 38^\circ$$

$$X \approx 5.5$$

②

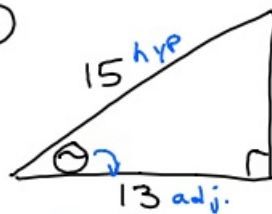


$$\frac{\sin 43^\circ}{1} = \frac{11}{X}$$

$$\frac{X \cdot \cancel{\sin 43^\circ}}{\cancel{\sin 43^\circ}} = \frac{11}{\cancel{\sin 43^\circ}}$$

$$X \approx 16.1$$

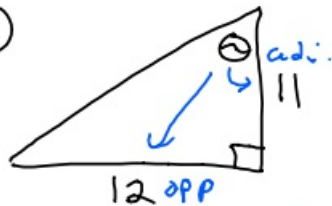
③



$$\frac{\cancel{\cos \theta}}{\cos \theta} = \frac{\cos \theta \cdot 13}{15}$$

$$\theta \approx 29.9^\circ$$

④



$$\tan^{-1} \frac{\tan \theta}{\tan \theta} = \tan^{-1} \frac{12}{11}$$

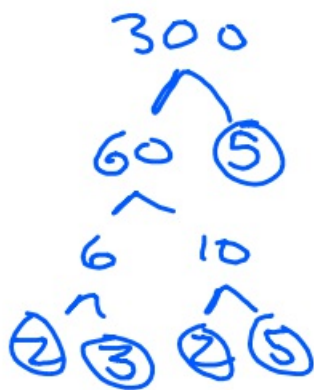
$$\theta \approx 47.5^\circ$$

$$\textcircled{5} \quad 2\sqrt{3} \cdot 5\sqrt{5} = 10\sqrt{15}$$

$$\textcircled{6} \quad 2\sqrt{2} \cdot 3\sqrt{2} \cdot 2 = 12$$

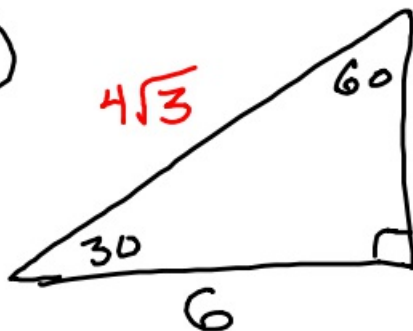
$$2\sqrt{2} \cdot 3\sqrt{2} = 6\sqrt{4} = 12$$

$$\textcircled{7} \quad \sqrt{300}$$



$$5 \cdot 2 \sqrt{2 \cdot 2 \cdot 3 \cdot 5 \cdot 5} = 10\sqrt{3}$$

$\textcircled{8}$



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

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