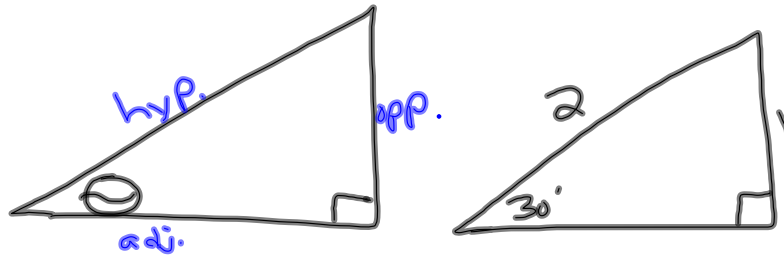
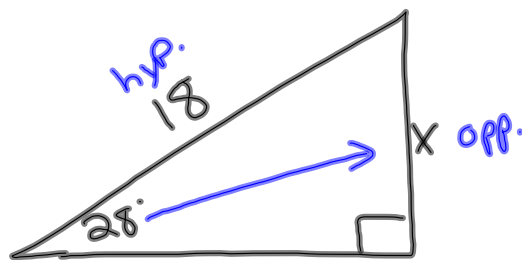


2-10-14
3rd Tr: y



SOH CAH TOA

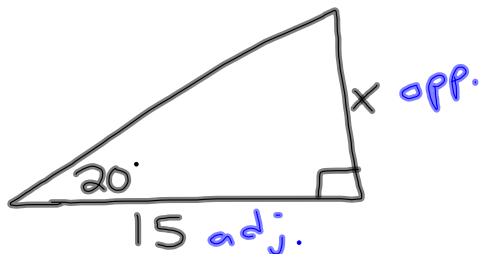
$$\sin \theta = \frac{\text{opp}}{\text{hyp}} \quad \cos \theta = \frac{\text{adj}}{\text{hyp}} \quad \tan \theta = \frac{\text{opp}}{\text{adj}}$$



$$\frac{\sin 28^\circ}{1} = \frac{x}{18}$$

$$x = 18 \cdot \sin 28^\circ$$

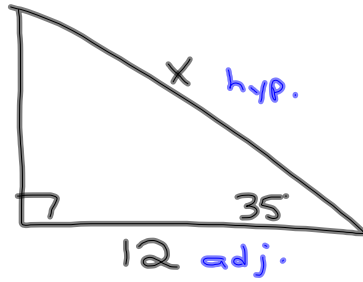
$$x \approx 8.45$$



$$\frac{\tan 20^\circ}{1} = \frac{x}{15}$$

$$x = 15 \cdot \tan 20^\circ$$

$$x \approx 5.46$$

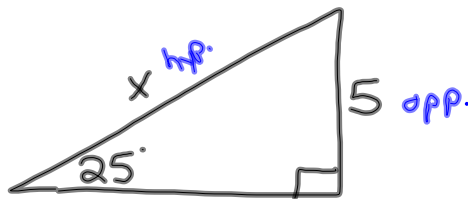


SOH CAH TOA

$$\frac{\cos 35^\circ}{1} = \frac{12}{x}$$

$$\frac{x \cdot \cancel{\cos 35^\circ}}{\cancel{\cos 35^\circ}} = \frac{12}{\cancel{\cos 35^\circ}}$$

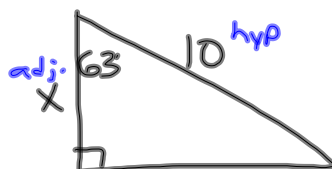
$$x \approx 14.65$$



$$\frac{\sin 25^\circ}{1} = \frac{5}{x}$$

$$\frac{x \cdot \cancel{\sin 25^\circ}}{\cancel{\sin 25^\circ}} = \frac{5}{\cancel{\sin 25^\circ}}$$

$$x \approx 11.83$$

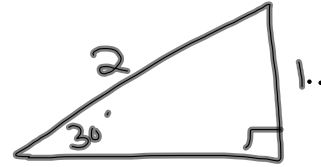


$$\frac{\cos 63^\circ}{1} = \frac{x}{10}$$

$$x = 10 \cdot \cos 63^\circ$$

$$x \approx 4.54$$

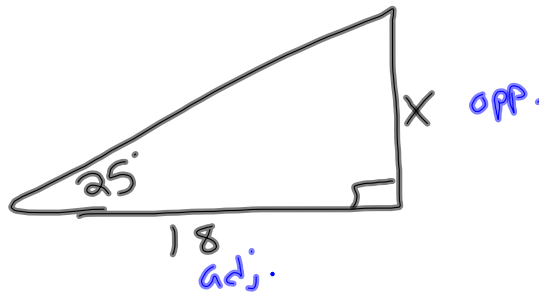
2-10-14
4th Trig



SOH
 $\sin \theta = \frac{\text{opp}}{\text{hyp}}$

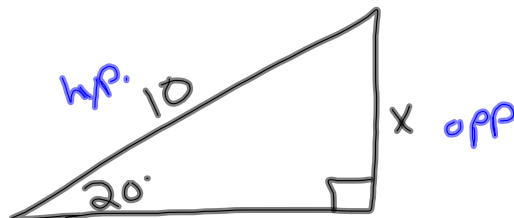
CAH
 $\cos \theta = \frac{\text{adj}}{\text{hyp}}$

TOA
 $\tan \theta = \frac{\text{opp}}{\text{adj}}$



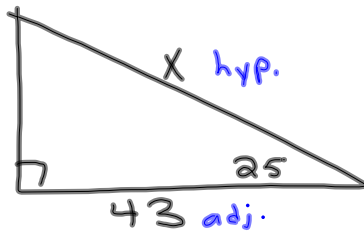
$$\frac{\tan 25^\circ}{1} = \frac{X}{18}$$

$$X = 18 \cdot \tan 25^\circ$$
$$X \approx 8.39$$



$$\frac{\sin 20^\circ}{1} = \frac{X}{10}$$

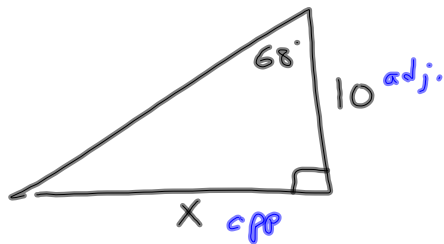
$$X = 10 \cdot \sin 20^\circ$$
$$X \approx 3.42$$



$$\frac{\cos 25^\circ}{1} = \frac{43}{X}$$

$$\frac{X \cdot \cos 25^\circ}{\cos 25^\circ} = \frac{43}{\cos 25^\circ}$$

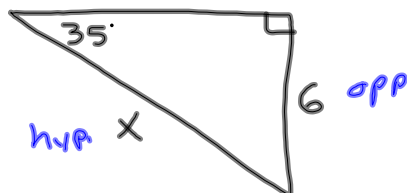
$$X \approx 47.25$$



$$\frac{\tan 68^\circ}{1} = \frac{X}{10}$$

$$X = 10 \cdot \tan 68^\circ$$

$$X \approx 24.75$$



$$\frac{\sin 35^\circ}{1} = \frac{6}{X}$$

$$\frac{X \cdot \sin 35^\circ}{\sin 35^\circ} = \frac{6}{\sin 35^\circ}$$

$$X \approx 10.46$$