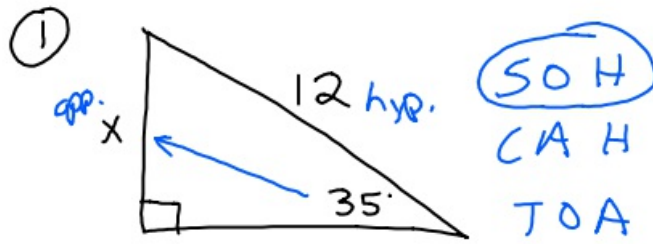


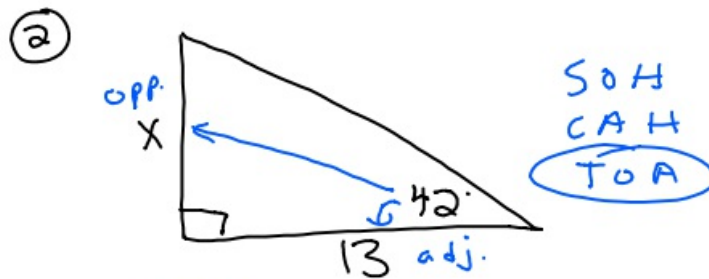
2-18-20 2<sup>nd</sup> Geo



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

$$x = 12 \cdot \sin 35^\circ$$

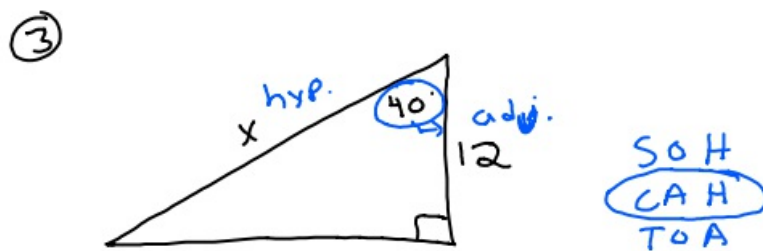
$$x \approx 6.9$$



~~$$\frac{\tan 42^\circ}{1} = \frac{x}{13}$$~~

$$x = 13 \cdot \tan 42^\circ$$

$$x \approx 11.7$$

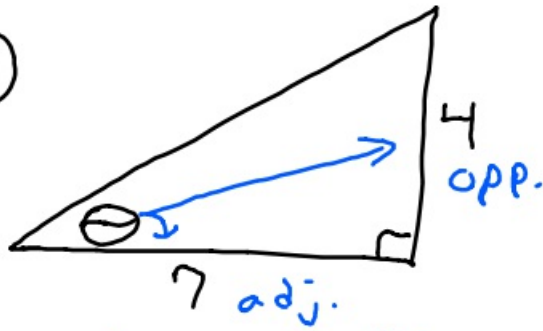


$$\frac{\cos 40^\circ}{1} = \frac{12}{x}$$

$$\frac{x \cdot \cos 40^\circ}{\cancel{\cos 40^\circ}} = \frac{12}{\cancel{\cos 40^\circ}}$$

$$x \approx 15.7$$

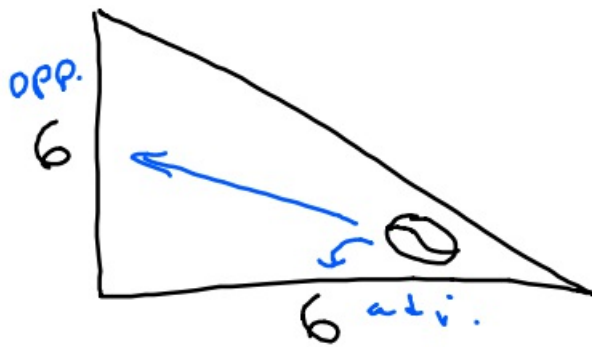
④



$$\tan^{-1} \tan \theta = \frac{\tan^{-1} 4}{7}$$

$$\theta \approx 29.7^\circ$$

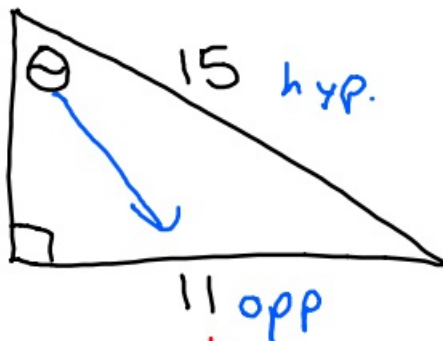
⑤



$$\tan^{-1} \tan \theta = \frac{\tan^{-1} 6}{6}$$

$$\theta = 45^\circ$$

⑥

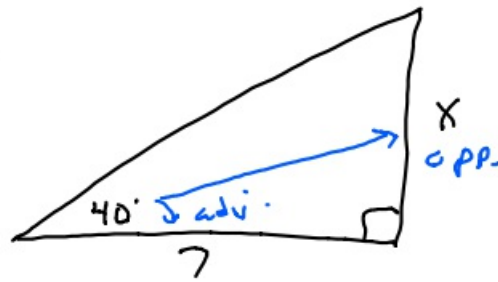


$$\sin^{-1} \sin \theta = \sin^{-1} \frac{11}{15}$$

$$\theta \approx 47.2^\circ$$

SOH  
CAH  
TOA

7



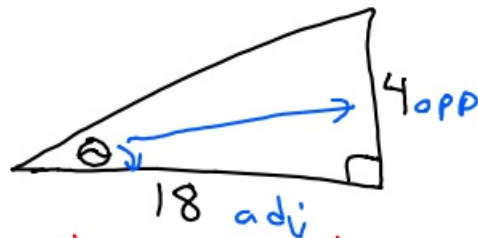
SOH  
CAH  
TOA

$$\frac{\tan 40^\circ}{1} = \frac{X}{7}$$

$$X = 7 \cdot \tan 40^\circ$$

$$X \approx 5.9$$

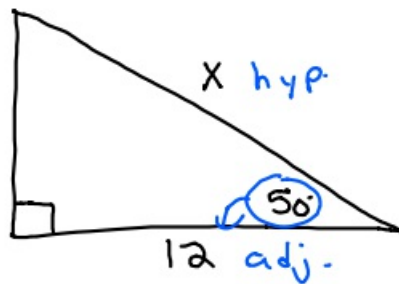
8



$$\tan^{-1} \tan \theta = \tan^{-1} \frac{4}{18}$$

$$\theta \approx 12.5^\circ$$

9



$$\frac{\cos 50^\circ}{1} = \frac{12}{X}$$

$$\frac{X \cdot \cos 50^\circ}{\cos 50^\circ} = \frac{12}{\cos 50^\circ}$$

$$X \approx 18.7$$