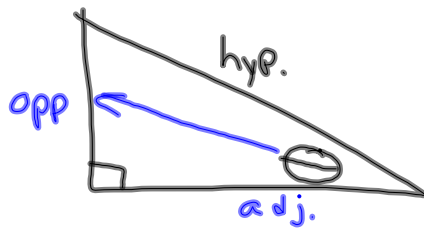
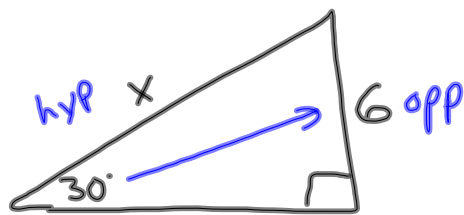


2-18-14
4th Trig



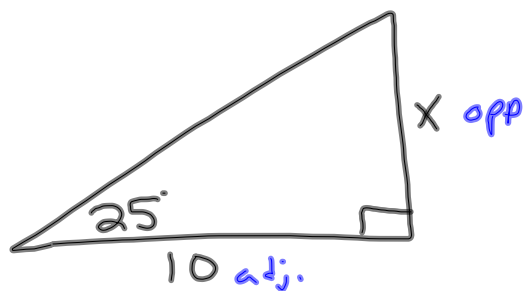
SOH CAH TOA



$$\frac{\sin 30^\circ}{1} = \frac{6}{x}$$

$$\frac{x \cdot \sin 30^\circ}{\sin 30^\circ} = \frac{6}{\sin 30^\circ}$$

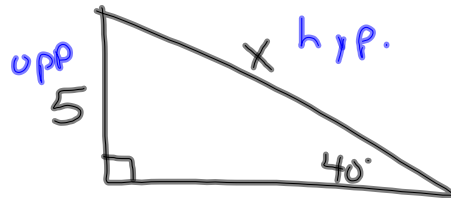
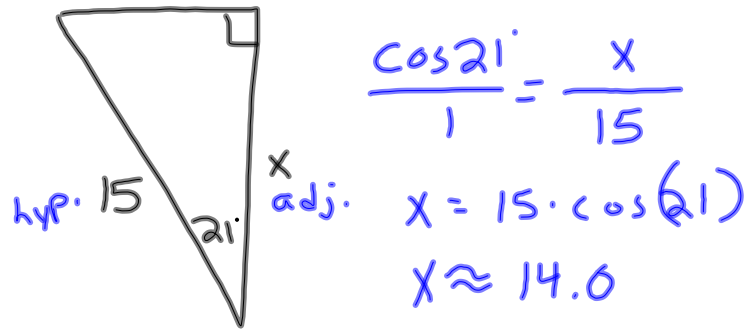
$$x = 12$$



$$\frac{\tan 25^\circ}{1} = \frac{x}{10}$$

$$x = 10 \cdot \tan(25^\circ)$$

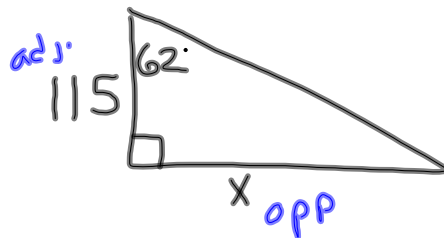
$$x \approx 4.7$$



$$\frac{\sin 40^\circ}{1} = \frac{5}{x}$$

$$\frac{x \cdot \sin 40^\circ}{\sin 40^\circ} = \frac{5}{\sin 40^\circ}$$

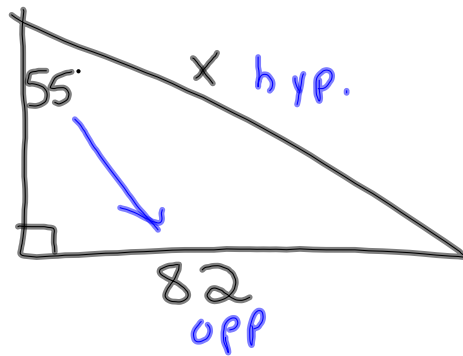
$$x \approx 7.8$$



$$\frac{\tan 62^\circ}{1} = \frac{x}{115}$$

$$x = 115 \cdot \tan 62^\circ$$

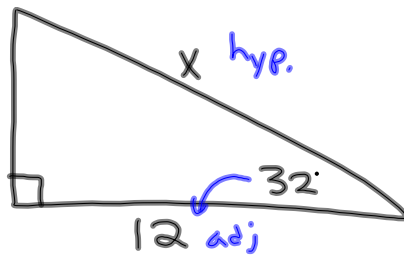
$$x \approx 216.3$$



$$\frac{\sin 55}{1} = \frac{82}{x}$$

$$\frac{x \cdot \cancel{\sin 55}}{\cancel{\sin 55}} = \frac{82}{\sin 55}$$

$$x \approx 100.1$$



$$\frac{\cos 32}{1} = \frac{12}{x}$$

$$\frac{x \cdot \cancel{\cos 32}}{\cancel{\cos 32}} = \frac{12}{\cos 32}$$

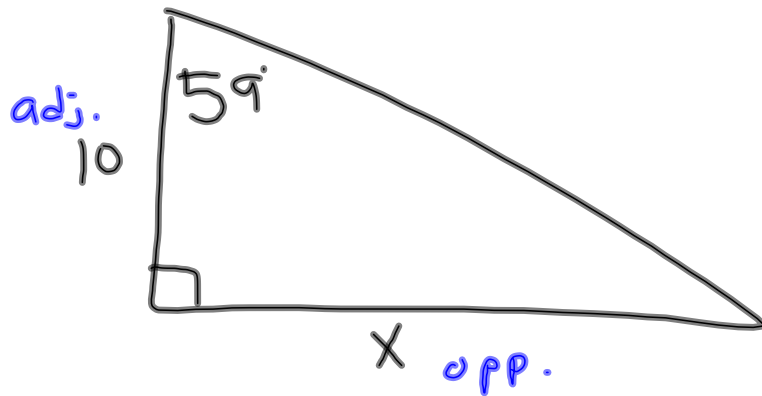
$$x \approx 14.2$$



$$\frac{\sin 42}{1} = \frac{x}{6}$$

$$x = 6 \cdot \sin 42$$

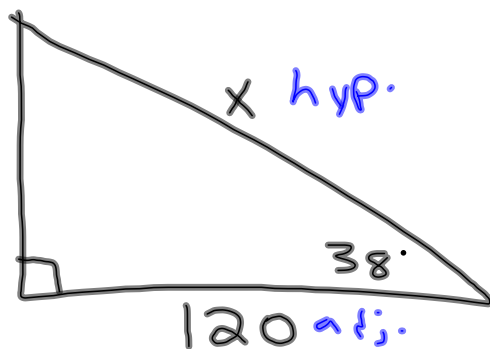
$$x \approx 4.01$$



$$\frac{\tan 59^\circ}{1} = \frac{x}{10}$$

$$x = 10 \cdot \tan 59^\circ$$

$$x \approx 16.6$$

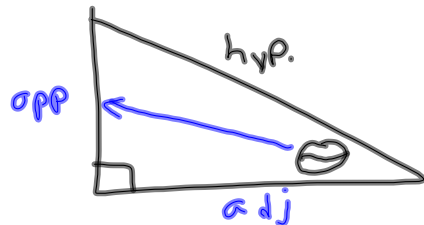


$$\frac{\cos 38^\circ}{1} = \frac{120}{x}$$

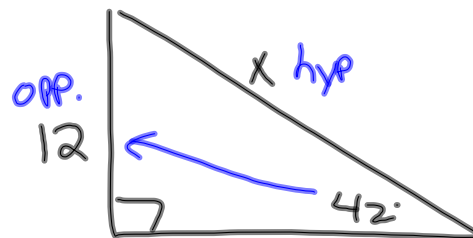
$$\frac{x \cdot \cancel{\cos 38^\circ}}{\cancel{\cos 38^\circ}} = \frac{120}{\cos 38^\circ}$$

$$x \approx 152.2$$

2-18-14
3rd Trig



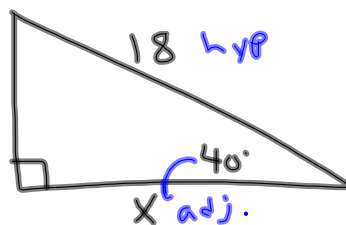
SOH CAH TOA



$$\frac{\sin 42^\circ}{1} = \frac{12}{x}$$

$$\frac{x \cdot \sin 42^\circ}{\sin 42^\circ} = \frac{12}{\sin 42^\circ}$$

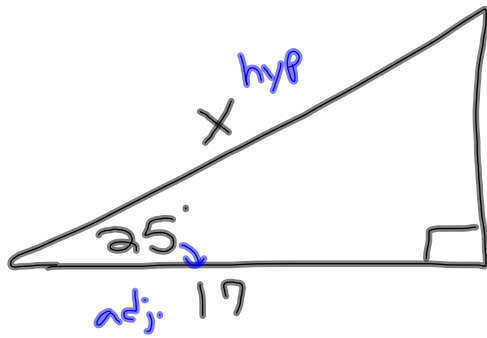
$$x \approx 17.9$$



$$\frac{\cos 40^\circ}{1} = \frac{x}{18}$$

$$x = 18 \cdot \cos(40)$$

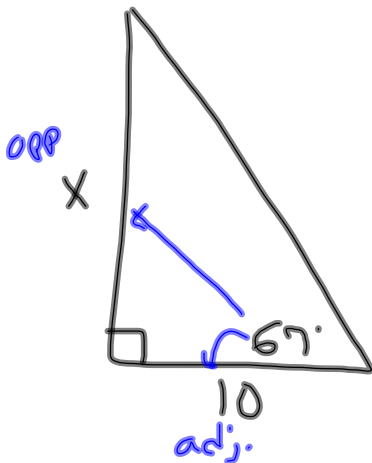
$$x \approx 13.8$$



$$\frac{\cos 25}{1} = \frac{17}{X}$$

$$\frac{X \cdot \cancel{\cos 25}}{\cancel{\cos 25}} = \frac{17}{\cancel{\cos 25}}$$

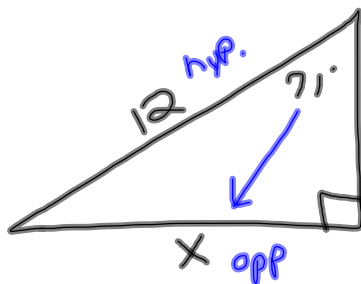
$$X \approx 18.8$$



$$\frac{\tan 67}{1} = \frac{X}{10}$$

$$X = 10 \cdot \tan 67$$

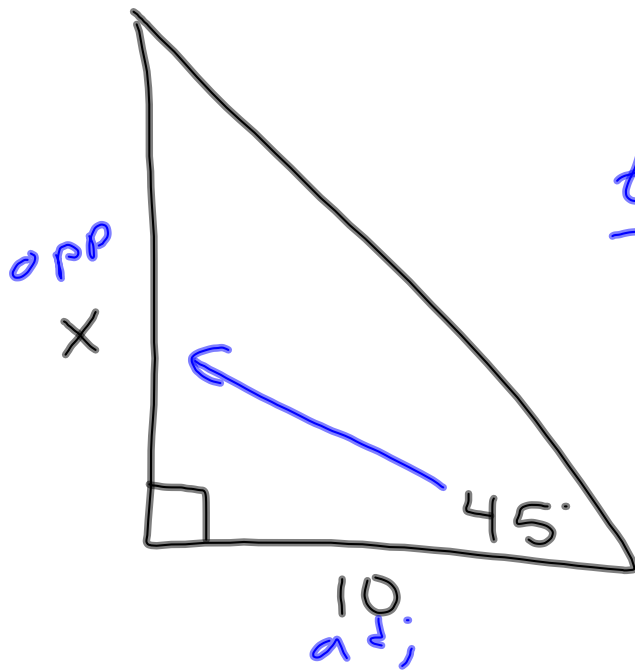
$$X \approx 23.6$$



$$\frac{\sin 71}{1} = \frac{X}{12}$$

$$X = 12 \cdot \sin 71$$

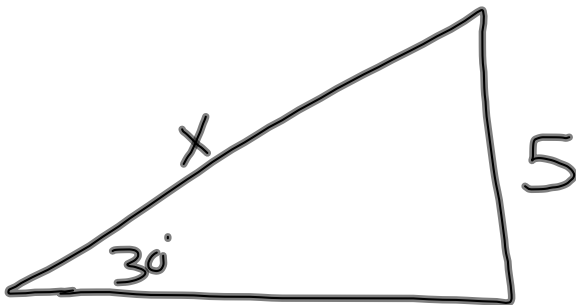
$$X \approx 11.3$$



$$\frac{\tan 45}{1} = \frac{x}{10}$$

$$x = 10 \cdot \tan 45^\circ$$

$$x = 10$$



$$\frac{\sin 30^\circ}{1} = \frac{5}{x}$$

$$\frac{x \cdot \sin 30^\circ}{\cancel{\sin 30^\circ}} = \frac{5}{\cancel{\sin 30^\circ}}$$

$$x = 10$$