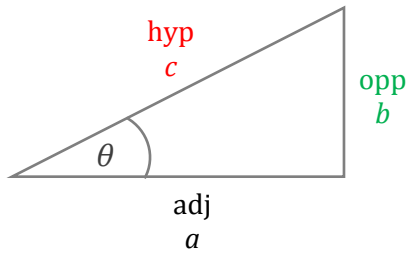
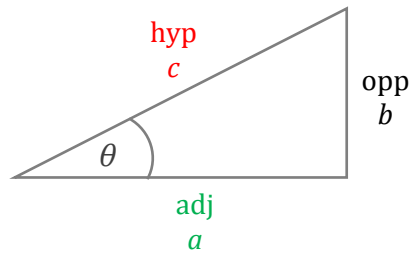


# Trigonometric Functions of Acute Angles

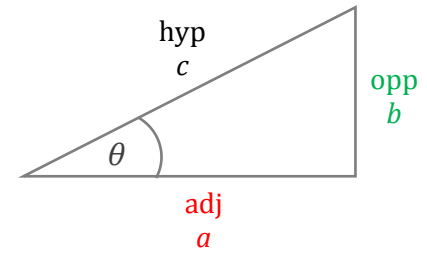
Last Updated: 8/8/17



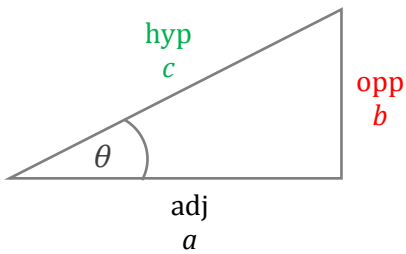
$$\sin \theta = \frac{\text{opp}}{\text{hyp}} = \frac{b}{c}$$



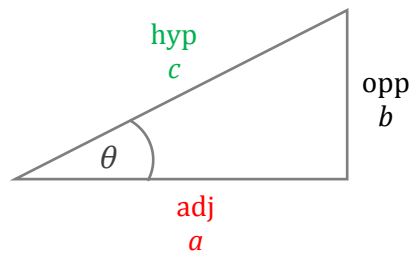
$$\cos \theta = \frac{\text{adj}}{\text{hyp}} = \frac{a}{c}$$



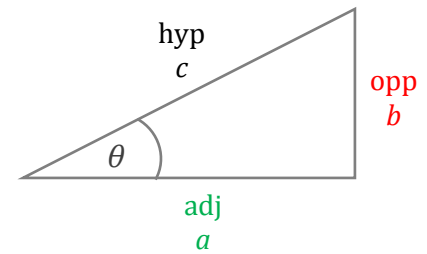
$$\tan \theta = \frac{\text{opp}}{\text{adj}} = \frac{b}{a}$$



$$\csc \theta = \frac{\text{hyp}}{\text{opp}} = \frac{c}{b}$$



$$\sec \theta = \frac{\text{hyp}}{\text{adj}} = \frac{c}{a}$$



$$\cot \theta = \frac{\text{adj}}{\text{opp}} = \frac{a}{b}$$