

# ALL OF TRIGONOMETRY

ANGLE  $\xrightarrow{\sin(\text{angle})}$   $\frac{\text{OPPOSITE SIDE LENGTH}}{\text{HYPOTENUSE LENGTH}}$   
 $\xleftarrow{\sin^{-1}\left(\frac{\text{opp}}{\text{hyp}}\right)}$

ANGLE  $\xrightarrow{\cos(\text{angle})}$   $\frac{\text{ADJACENT SIDE LENGTH}}{\text{HYPOTENUSE LENGTH}}$   
 $\xleftarrow{\cos^{-1}\left(\frac{\text{adj}}{\text{hyp}}\right)}$

ANGLE  $\xrightarrow{\tan(\text{angle})}$   $\frac{\text{OPPOSITE SIDE LENGTH}}{\text{ADJACENT SIDE LENGTH}}$   
 $\xleftarrow{\tan^{-1}\left(\frac{\text{opp}}{\text{adj}}\right)}$

