

Name: KEY

Section 6.1a – Trigonometry Basics

Solve for the requested information

Determine the value of the angle to 4 decimal places (if necessary).			
$\sin 30^\circ$ 0.5	$\tan 14^\circ$ 0.2493	$\cos 52^\circ$ 0.6157	$\sin 86^\circ$ 0.9976
Determine the value of the angle given the trigonometric ratio value. Round to the tenth of a degree.			
$\sin \theta = 0.6820$ 43.0°	$\tan \theta = 0.8391$ 40.0°	$\cos \theta = -1$ 180.0°	$\tan \theta = 1$ 45.0°
Solve for the value a			
$c \cdot b = \frac{a}{c} \cdot c$ $bc = a$ $a = bc$		$a \cdot b = \frac{c}{a} \cdot a$ $\frac{ab}{b} = \frac{c}{b}$ $a = \frac{c}{b}$	