

§4.3A: Right Triangle Trigonometry in Calculator
“I WILL...
...use the calculator to evaluate.”

I. Plugging into the TI-84 Graphing Calculator

- A. Make sure the calculator remains in degree or radian mode
- B. To determine the reciprocal function, press [2nd] Trig function
- C. Round answers to four decimal places

<p>Ex 1: Use a calculator to determine $\sin 20^\circ$ and round to 4 decimal places</p>	<p>Ex 2: Use a calculator to determine $\csc 20^\circ$ and round to 4 decimal places</p>
<p>Your Turn: Use a calculator to determine $\sec 20^\circ$ and round to 4 decimal places.</p>	<p>Ex 3: Solve the equation, $\cos 50^\circ = \frac{x}{10}$ and round to 4 decimal places</p>
<p>Ex 4: Solve the equation, $\sin 48^\circ = \frac{12}{x}$ and round to 4 decimal places</p>	<p>Your Turn: Solve the equation, $\tan 48^\circ = \frac{12}{x}$ and round to 4 decimal places</p>

Ex 5: Use a calculator to determine $\cos 56^\circ 8' 10''$ and round to 4 decimal places

Ex 6: Use a calculator to determine $\sec 5^\circ 40' 12''$ and round to 4 decimal places

Your Turn: Use a calculator to determine $\csc (-33^\circ 45')$ and round to 4 decimal places

Ex 7: Use a calculator to determine $\tan \left(-\frac{\pi}{9}\right)$ and round to 4 decimal places

Your Turn: Use a calculator to determine $\sec(-4.8)$ and round to 4 decimal places