

Using a Calculator to Evaluate Inverse Functions

Name _____

Date _____ Period _____

Most calculators have buttons to evaluate $\sin^{-1}$, $\cos^{-1}$, and $\tan^{-1}$.

Evaluate $\sin^{-1} \frac{1}{2}$

Evaluate $\cos^{-1} -1$

Most calculators do not have buttons to evaluate $\csc^{-1}$, $\sec^{-1}$, and $\cot^{-1}$.

Evaluate $\csc^{-1} 4$

Most calculators do not have buttons to evaluate $\csc^{-1}$, $\sec^{-1}$, and $\cot^{-1}$.

Evaluate $\sec^{-1} -3$

Most calculators do not have buttons to evaluate $\csc^{-1}$, $\sec^{-1}$, and $\cot^{-1}$.

Evaluate $\cot^{-1} \frac{1}{2}$

Most calculators do not have buttons to evaluate $\csc^{-1}$, $\sec^{-1}$, and $\cot^{-1}$.

Evaluate $\csc^{-1} - \frac{3}{2}$

Most calculators do not have buttons to evaluate $\csc^{-1}$, $\sec^{-1}$, and $\cot^{-1}$.

Evaluate $\sec^{-1} - \frac{4}{3}$

Most calculators do not have buttons to evaluate $\csc^{-1}$, $\sec^{-1}$, and $\cot^{-1}$.

Evaluate $\cot^{-1} 5$

Most calculators do not have buttons to evaluate $\csc^{-1}$, $\sec^{-1}$, and $\cot^{-1}$.

$$\csc^{-1} x = \sin^{-1} \frac{1}{x}$$

$$\sec^{-1} x = \cos^{-1} \frac{1}{x}$$

$$\cot^{-1} x = \tan^{-1} \frac{1}{x}$$