

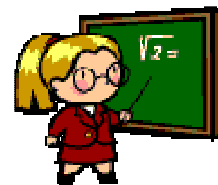
**Pre-Calc WS**  
**Section 4.7 Practice**

Name \_\_\_\_\_

Without using your calculator, evaluate the following. (Draw a picture if needed.)

1)  $\cos^{-1}\left(\frac{\sqrt{2}}{2}\right)$

2)  $\cos^{-1}\left(-\frac{\sqrt{3}}{2}\right)$



3)  $\tan^{-1}(-1)$

4)  $\cos\left(\tan^{-1}\left(\frac{\sqrt{3}}{3}\right)\right)$

5)  $\arcsin\left(\sin\left(\frac{2\pi}{3}\right)\right)$

6)  $\cos^{-1}\left[\cos-\frac{\pi}{4}\right]$

7)  $\sin\left(18\cos^{-1}\frac{1}{2}\right)$

8)  $\tan\left[12\sin^{-1}\left(-\frac{1}{2}\right)\right]$

9)  $\sec\left(\arccos\frac{1}{2}\right)$

10)  $\csc(\tan^{-1}1)$

Use your calculator to evaluate the following. Round your answer to the nearest hundredth.

11)  $\cot^{-1}(-6.1)$

12)  $\cos^{-1}\left(\frac{2}{3}\right)$

13)  $\sec^{-1}(1.99)$

14)  $\tan^{-1}\left(\frac{5}{7}\right)$