

Name \_\_\_\_\_

Date \_\_\_\_\_

Advanced Algebra

Unit 10: Advanced Trig

Assignment #21

Without using a calculator or table, find the value of each expression in radians. Many answers can be given in terms of  $\pi$ .

1) $\sin^{-1} 0$	2) $\cos^{-1} 0$	3) $\tan^{-1} 1$	4) $\tan^{-1} (-1)$
5) $\sin^{-1} 1$	6) $\sin^{-1} (-1)$	7) $\cos^{-1} 1$	8) $\cos^{-1} (-1)$
9) $\sin^{-1} (1/2)$	10) $\sin^{-1} (-1/2)$	11) $\cos^{-1} (1/2)$	12) $\cos^{-1} (-1/2)$
13) $\sin^{-1} \frac{\sqrt{2}}{2}$	14)	15)	16)

