

14.2A + Book 14-18 all

Period _____

Use the unit circle to find the exact value of each expression. Give the primary angles AND the general notation for ALL angles. Use Degrees.

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

2) $\sin^{-1} 0$

3) $\cos^{-1} -1$

4) $\cos^{-1} 0$

5) $\cos^{-1} -\frac{1}{2}$

6) $\tan^{-1} 1$

7) $\sin^{-1} \frac{\sqrt{3}}{2}$

8) $\cos^{-1} -\frac{\sqrt{3}}{2}$

Use the unit circle to find the exact value of each expression. Give the primary angles AND the general notation for ALL angles. Use Radians.

9) $\tan^{-1} \frac{\sqrt{3}}{3}$

10) $\sin^{-1} -\frac{\sqrt{2}}{2}$

11) $\cos^{-1} \frac{1}{2}$

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

13) $\cos^{-1} -\frac{\sqrt{2}}{2}$

14) $\sin^{-1} -\frac{\sqrt{3}}{2}$

15) $\cos^{-1} \frac{\sqrt{2}}{2}$

16) $\tan^{-1} -\frac{\sqrt{3}}{3}$