2. (a) $\sin \pi = 0$ (b) $\cos \pi = -1$

4. (a) $\cos \frac{\pi}{6} = \frac{\sqrt{3}}{2}$ (b) $\cos \frac{5\pi}{6} = -\frac{\sqrt{3}}{2}$

6. (a) $\sin \frac{7\pi}{6} = -\frac{1}{2}$ (b) $\cos \frac{7\pi}{6} = -\frac{\sqrt{3}}{2}$

8. (a) $\sin \frac{5\pi}{6} = \frac{1}{2}$ (b) $\sec \frac{5\pi}{6} = -\frac{2}{\sqrt{3}}$

10. (a) $\sin \frac{3\pi}{4} = \frac{1}{\sqrt{2}} = \frac{\sqrt{2}}{2}$ (b) $\cos \frac{3\pi}{4} = -\frac{1}{\sqrt{2}} = -\frac{\sqrt{2}}{2}$

12. (a) $\sin \frac{\pi}{6} = \frac{1}{2}$ (b) $\sin \left(-\frac{\pi}{6}\right) = -\frac{1}{2}$

14. (a) $\tan \frac{\pi}{3} = \sqrt{3}$ (b) $\cot \frac{\pi}{3} = \frac{1}{\sqrt{3}} = \frac{\sqrt{3}}{3}$

16. (a) $\sec \frac{13\pi}{6} = \frac{2}{\sqrt{3}} = \frac{2\sqrt{3}}{3}$ (b) $\sec \left(-\frac{13\pi}{6}\right) = \frac{2}{\sqrt{3}} = \frac{2\sqrt{3}}{3}$

18. (a) $\sec \pi = -1$ (b) $\csc \frac{\pi}{2} = 1$

20. (a) $\tan \frac{3\pi}{4} = -1$ (b) $\tan \frac{11\pi}{4} = -1$

22. $t = \frac{\pi}{2}$ $\Rightarrow$ $\sin t = 1, \cos t = 0, \csc t = 1, \cot t = 0, \tan t$ and $\sec t$ are undefined.

24. $t = \frac{3\pi}{2}$ $\Rightarrow$ $\sin t = -1, \cos t = 0, \csc t = -1, \cot t = 0, \tan t$ and $\sec t$ are undefined.