

**Exact Values of Sines, Cosines, and Tangents 3** – in book: Section 4.4 p. 242

Find each exact value. Do not use a calculator.

1.  $\tan \frac{37\pi}{6}$

2.  $\cos \frac{5\pi}{6}$

3.  $\sin \frac{4\pi}{3}$

4.  $\sin 240^\circ$

5.  $\cos 315^\circ$

6.  $\tan 210^\circ$

7.  $\sin \frac{3\pi}{4}$

8.  $\sin \frac{5\pi}{3}$

9.  $\tan \frac{7\pi}{6}$

10.  $\sin 495^\circ$

11.  $\tan 750^\circ$

12.  $\cos 45^\circ$

13.  $\cos \frac{8\pi}{3}$

14.  $\tan -\frac{3\pi}{4}$

15.  $\sin \frac{5\pi}{6}$

16.  $\tan 390^\circ$

17.  $\sin -30^\circ$

18.  $\cos 420^\circ$

19.  $\sin -\frac{25\pi}{6}$

20.  $\cos \frac{37\pi}{4}$

21.  $\tan \frac{11\pi}{3}$