

**Exact Values of Sines, Cosines, and Tangents 2** – in book: Section 4.4 p. 242

Find each exact value. Do not use a calculator.

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

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

3.  $\tan \frac{2\pi}{3}$

4.  $\cos 210^\circ$

5.  $\sin 300^\circ$

6.  $\tan 330^\circ$

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

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

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

10.  $\sin 90^\circ$

11.  $\sin 270^\circ$

12.  $\tan 45^\circ$

13.  $\cos \frac{3\pi}{2}$

14.  $\tan \pi$

15.  $\sin \frac{\pi}{2}$

Use a calculator to approximate each value to four decimal places.

16.  $\tan (-75)^\circ$

17.  $\sin 634^\circ$

18.  $\cos 235^\circ$

19.  $\sin 2$

20.  $\cos 4.28$

21.  $\tan 0.23$