

Name: _____

Date: _____

Trig ratios of General Angles

Use a calculator to find each. Round your answers to the nearest ten thousandth.

1) $\sin - 330^\circ$

2) $\sin 150^\circ$

3) $\cos 180^\circ$

4) $\sin - 120^\circ$

5) $\sin 120^\circ$

6) $\cos 315^\circ$

Find the exact value of each trigonometric function. Some may be undefined.

7) $\cos \frac{11\pi}{6}$

8) $\cot \frac{5\pi}{3}$

9) $\sec 0$

10) $\sec -\frac{3\pi}{4}$



1) $\sin - 330^\circ$

$$\frac{1}{2}$$

2) $\sin 150^\circ$

$$\frac{1}{2}$$

3) $\cos 180^\circ$

$$-1$$

4) $\sin - 120^\circ$

$$-\frac{\sqrt{3}}{2}$$

5) $\sin 120^\circ$

$$\frac{\sqrt{3}}{2}$$

6) $\cos 315^\circ$

$$-\frac{\sqrt{2}}{2}$$

7) $\cos \frac{11\pi}{6}$

$$\frac{\sqrt{3}}{2}$$

8) $\cot \frac{5\pi}{3}$

$$-\frac{\sqrt{3}}{3}$$

9) $\sec 0$

$$1$$

10) $\sec -\frac{3\pi}{4}$

$$-\sqrt{2}$$