



Name: _____

Date: _____

Unit Circle

Solve for x. Show your work.

1. $\cos(315^\circ)$

2. $\tan(315^\circ)$

3. $\tan(210^\circ)$

4. $\sin(225^\circ)$

5. $\cos(240^\circ)$

6. $\tan(135^\circ)$

7. $\cos(135^\circ)$

8. $\sin(120^\circ)$



Unit Circle – Answer Key

1. $\cos(315^\circ)$

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

2. $\tan(315^\circ)$

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

3. $\tan(210^\circ)$

$$-\frac{1}{\sqrt{3}}$$

4. $\sin(225^\circ)$

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

5. $\cos(240^\circ)$

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

6. $\tan(135^\circ)$

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

7. $\cos(135^\circ)$

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

8. $\sin(120^\circ)$

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