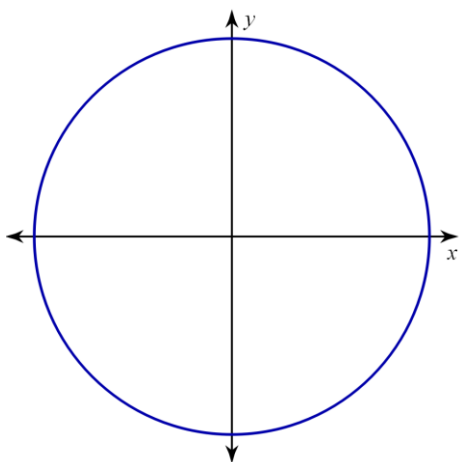
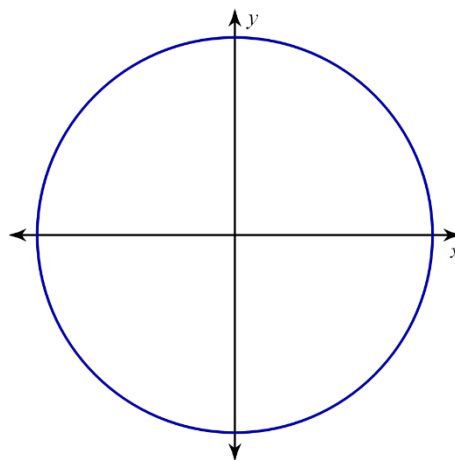


Using the circles given: 1) Draw the angle of rotation, 2) Create the reference triangle—remember the radius is 1 unit & 3) Determine the exact value.

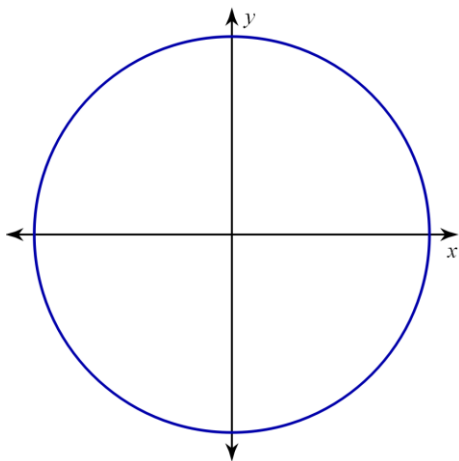
1. $\sin 120^\circ$



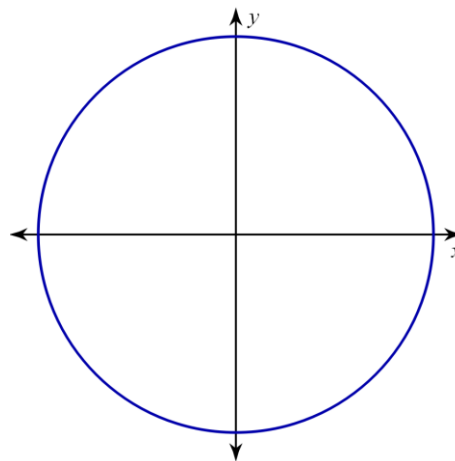
2. $\cos 3\pi/4$



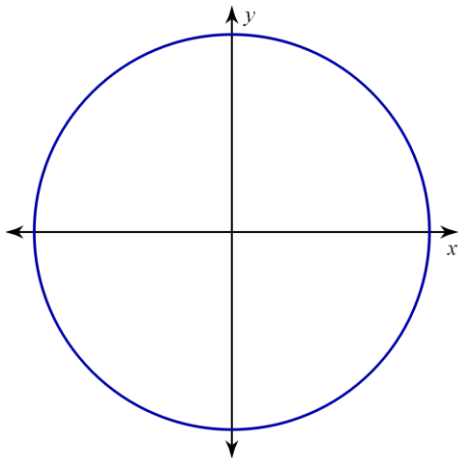
3. $\tan 225^\circ$



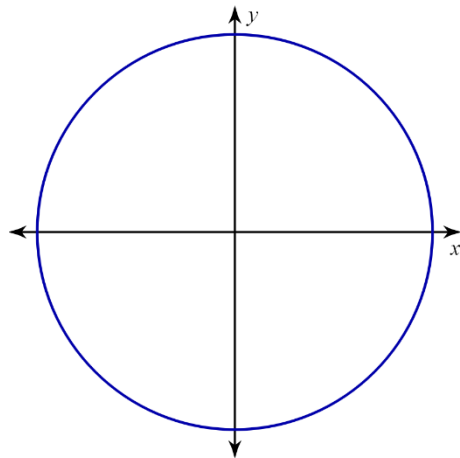
4. $\sin 11\pi/6$



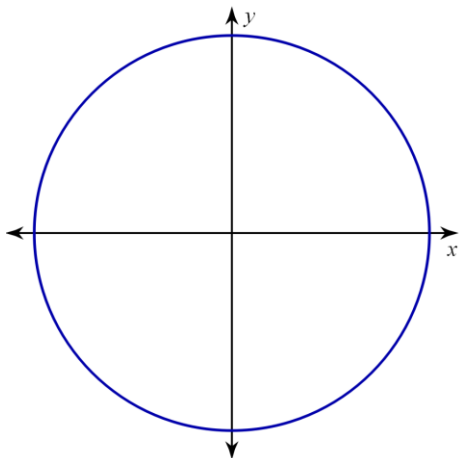
5. $\cos 300^\circ$



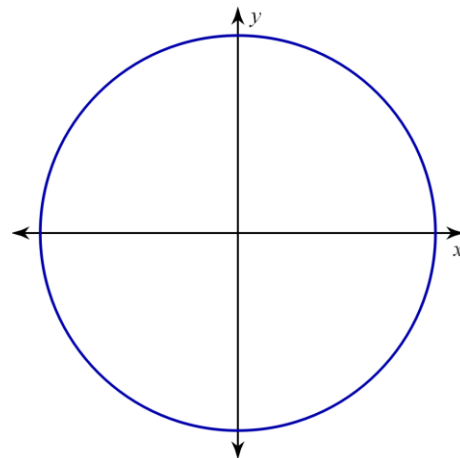
6. $\tan 5\pi/6$



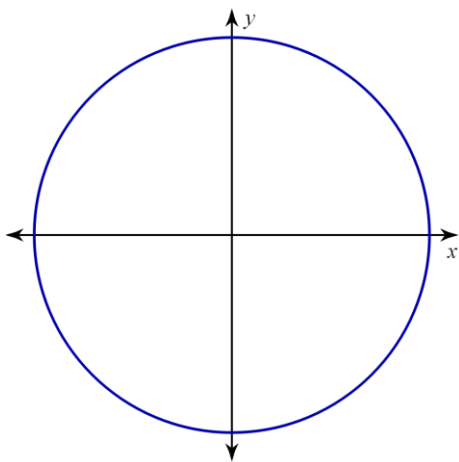
7. $\sin 240^\circ$



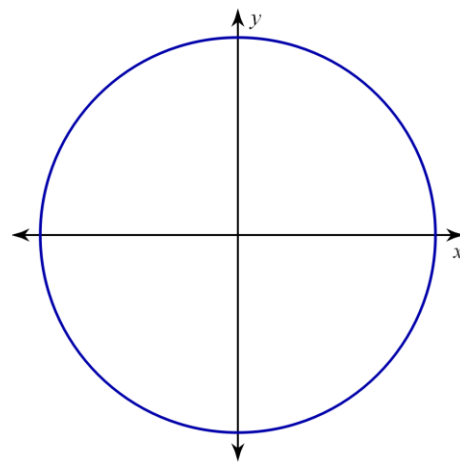
8. $\cos 7\pi/6$



9. $\tan 120^\circ$



10. $\sin 7\pi/4$



Answers

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

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

3. 1

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

5. $\frac{1}{2}$

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

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

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

9. $-\sqrt{3}$

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