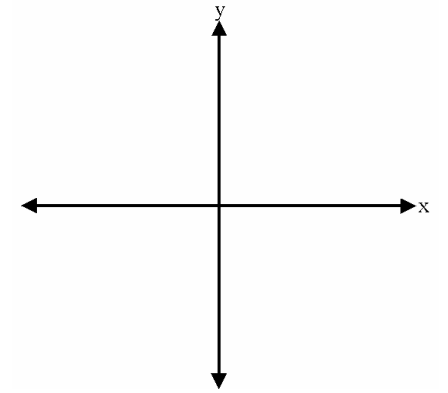


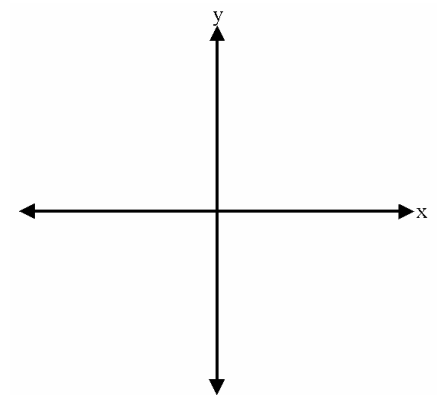
For each degree or radian measure:

- Give a picture of the location on the unit circle showing the terminal side.
- List the reference angle in radians and degrees.
- Find the exact value of the six trigonometric functions.

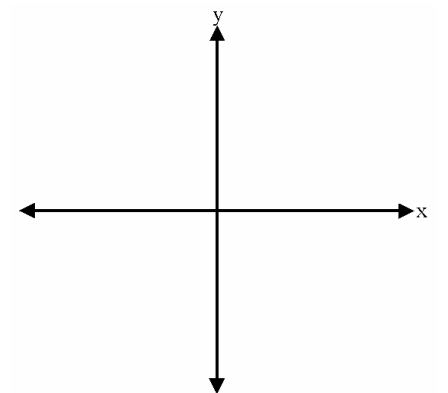
1. $-\frac{17\pi}{6}$



2. $\frac{11\pi}{3}$



3. 630°



Find each exact value. Show coordinates and any work necessary.

4. $\sec 330^\circ =$

5. $\csc -\frac{3\pi}{4} =$

6. $\cot 225^\circ$

7. $\cos \frac{8\pi}{3} =$

8. $\tan \frac{7\pi}{4} =$

9. $\sec 210^\circ =$

Evaluate.

10. $8 \sin 225^\circ \cos 300^\circ$

11. $-16 \cos^2 \frac{5\pi}{6} \sin^2 \frac{11\pi}{4}$

12. $\cos 4\pi \cos \frac{7\pi}{3} - \sin \frac{2\pi}{3} \sin^2 \frac{5\pi}{2}$

13. $\cos \frac{5\pi}{4} \sin^2 \frac{13\pi}{4} - \tan 30^\circ \sin 390^\circ$