

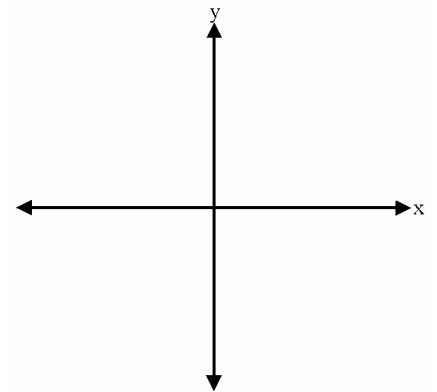
Find the remaining 5 Trigonometric values for each given.

1. $\cot \theta = -\sqrt{3}$, and θ is in Quadrant II.

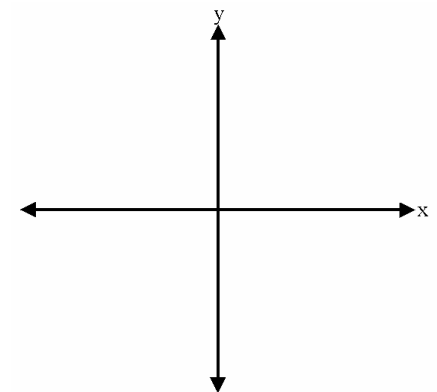
2. For each degree or radian measure:

- 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.

a. 225°



b. $\frac{7\pi}{6}$



3. Convert each degree measure into radians and each radian measure into degrees.

a. 180°

b. $\frac{5\pi}{4}$

c. -60°

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

4. For each of the following, draw a diagram and show the approximate location for **ALL** angles that meet the criterion. Give exact angle measures or radians.

a. $\tan x = \text{und}$

b. $\cos \theta = \frac{1}{2}$

c. $\csc x = \frac{2\sqrt{3}}{3}$

d. $\csc \theta = -\sqrt{2}$

5. Find exact values for each of the following.

a. $\tan \frac{5\pi}{6}$

b. $\cos 330^\circ$

c. $\sec \frac{3\pi}{2}$

d. $\cot 210^\circ$

6. For each of the following equations, ONE solution is given. Find the other solution, x or θ , on the unit circle that satisfies the given equation. $0 \leq x \leq 2\pi$ and $0 \leq \theta \leq 360^\circ$.

a. $\sin \frac{3\pi}{4} = \sin x$

b. $\cos 108^\circ = \cos \theta$

c. $\csc 305^\circ = \csc \theta$

d. $\cot \frac{\pi}{4} = \cot x$