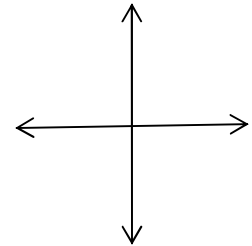
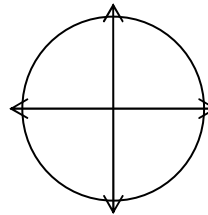


Do NOT use a CALCULATOR

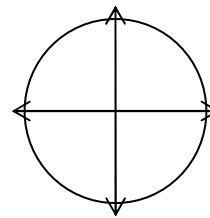
1. The sine function is negative in what quadrant(s)? _____
2. The cosine function is negative in what quadrant(s)? _____
3. The tangent function is negative in what quadrant(s)? _____



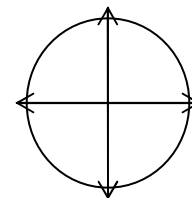
4. Draw a 150° angle.
 What is its reference angle (in degrees)? _____
 150° corresponds to how many radians? _____
 $\sin 150^\circ =$ _____ $\cos 150^\circ =$ _____



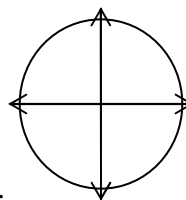
5. Draw an angle of $\frac{5\pi}{4}$ radians.
 What is its reference angle (in radians)? _____
 $\frac{5\pi}{4}$ radians corresponds to how many degrees? _____
 $\sin \frac{5\pi}{4} =$ _____ $\tan \frac{5\pi}{4} =$ _____



6. $\sin 0^\circ =$ _____, $\cos 0^\circ =$ _____, $\tan 0^\circ =$ _____
 $\csc 0^\circ =$ _____, $\sec 0^\circ =$ _____, $\cot 0^\circ =$ _____



7. Draw an angle of $\frac{3\pi}{2}$ radians.
 Label coordinates $(a, b) = (\quad , \quad)$ for this angle.



- $$\sin \frac{3\pi}{2} = \text{_____}, \quad \cos \frac{3\pi}{2} = \text{_____}, \quad \tan \frac{3\pi}{2} = \text{_____}$$
- $$\csc \frac{3\pi}{2} = \text{_____}, \quad \sec \frac{3\pi}{2} = \text{_____}, \quad \cot \frac{3\pi}{2} = \text{_____}$$