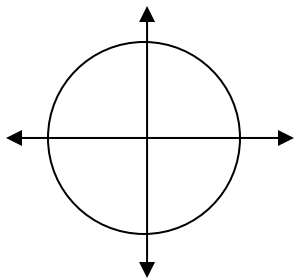


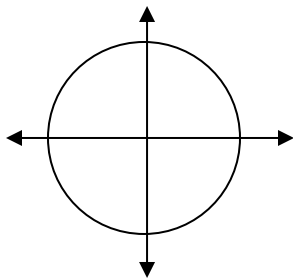
Practice with Radians

1. Draw each angle on its own unit circle below. Remember that $180^\circ = \pi$ radians. Also complete the conversion table at right.

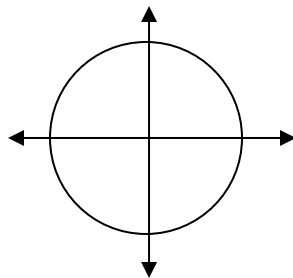
a) 1 degree



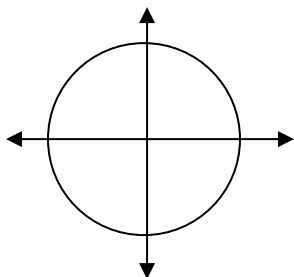
b) 1 radian



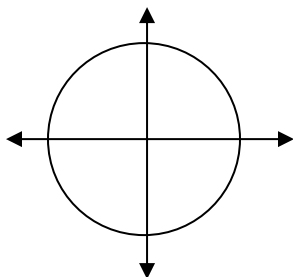
c) π radians



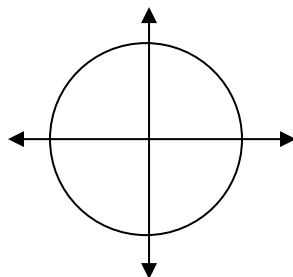
d) $\frac{\pi}{2}$ radians



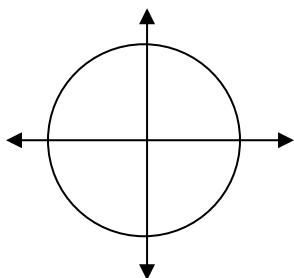
e) $\frac{\pi}{3}$ radians



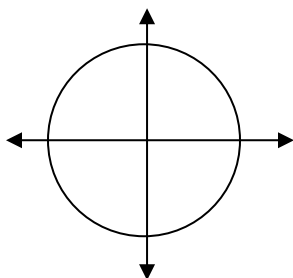
f) $\frac{\pi}{4}$ radians



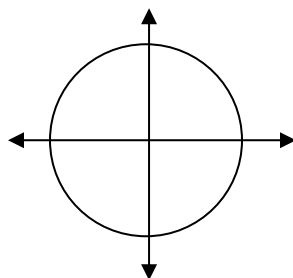
g) $\frac{\pi}{6}$ radians



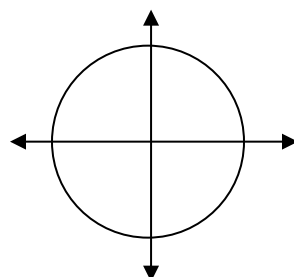
h) $\frac{2\pi}{3}$ radians



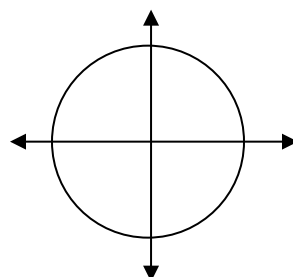
i) 390 degrees



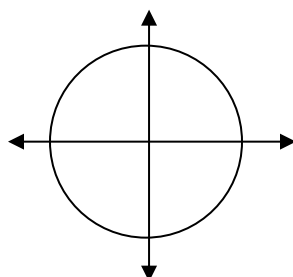
j) 10 radians



k) -135 degrees



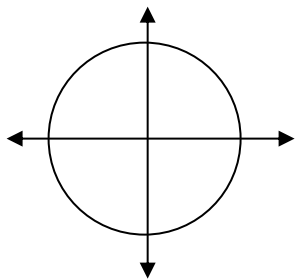
l) $\frac{4\pi}{3}$ radians



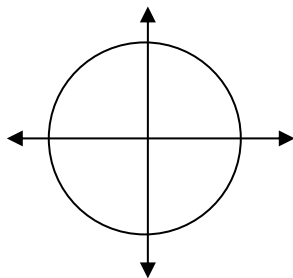
Radians	Degrees
	90°
	180°
	270°
	360°
$\frac{\pi}{3}$	
$\frac{2\pi}{3}$	
$\frac{4\pi}{3}$	
$\frac{5\pi}{3}$	
	45°
	135°
	225°
	315°
$\frac{\pi}{6}$	
$\frac{5\pi}{6}$	
$\frac{7\pi}{6}$	
$\frac{11\pi}{6}$	
2π	
	30°
	60°
	90°
	120°
	150°
	180°

2. Sketch each negative angle on its own unit circle, then state its positive equivalent. Make sure units (degrees vs. radians) are consistent with the original.

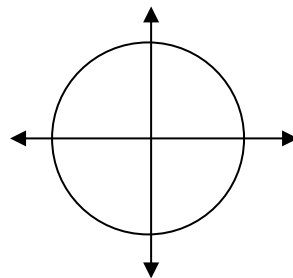
a) -30°



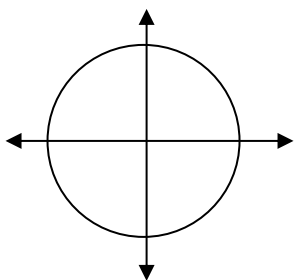
b) -90°



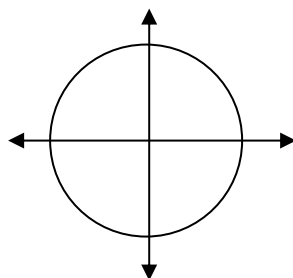
c) -270°



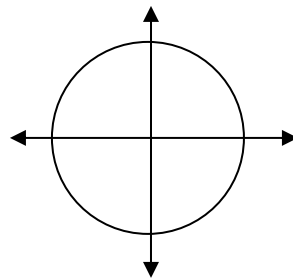
d) -120°



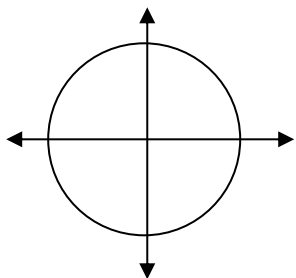
e) -180°



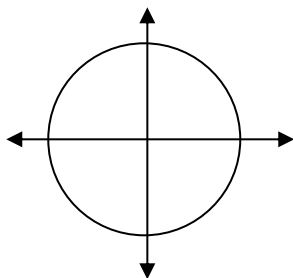
f) -300°



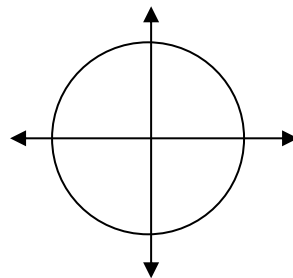
g) $-\frac{\pi}{3}$



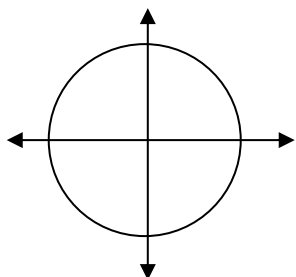
h) $-\frac{\pi}{4}$



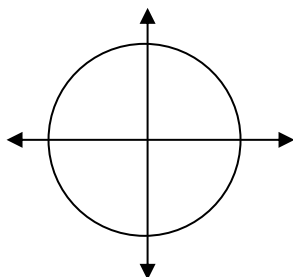
i) $-\frac{\pi}{6}$



j) $-\frac{2\pi}{3}$



k) $-\frac{3\pi}{4}$



l) $-\frac{5\pi}{6}$

