

Algebra 3 Assignment # 1

Complete the following tables.

Radian Measure	$\frac{4\pi}{3}$		$\frac{7\pi}{4}$		$\frac{11\pi}{6}$		π	
Degree Measure		150°		90°		-45°		60°
Sin								
Cos								

Radian Measure	$-\frac{\pi}{2}$		$-\frac{7\pi}{3}$		$\frac{2\pi}{3}$		$\frac{15\pi}{4}$	
Degree Measure		-330°		210°		390°		-270°
Sin								
Cos								

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Answers

Radian Measure	$\frac{4\pi}{3}$	$\frac{5\pi}{6}$	$\frac{7\pi}{4}$	$\frac{\pi}{2}$	$\frac{11\pi}{6}$	$-\frac{\pi}{4}$	π	$\frac{\pi}{3}$
Degree Measure	240°	150°	315°	90°	330°	-45°	180°	60°
Sin	$-\frac{\sqrt{3}}{2}$	$\frac{1}{2}$	$-\frac{\sqrt{2}}{2}$	1	$-\frac{1}{2}$	$-\frac{\sqrt{2}}{2}$	0	$\frac{\sqrt{3}}{2}$
Cos	$-\frac{1}{2}$	$-\frac{\sqrt{3}}{2}$	$\frac{\sqrt{2}}{2}$	0	$\frac{\sqrt{3}}{2}$	$\frac{\sqrt{2}}{2}$	-1	$\frac{1}{2}$

Radian Measure	$-\frac{\pi}{2}$	$-\frac{11\pi}{6}$	$-\frac{7\pi}{3}$	$\frac{7\pi}{6}$	$\frac{2\pi}{3}$	$\frac{13\pi}{6}$	$\frac{15\pi}{4}$	$-\frac{3\pi}{2}$
Degree Measure	-90°	-330°	-420°	210°	120°	390°	675°	-270°
Sin	-1	$\frac{1}{2}$	$-\frac{\sqrt{3}}{2}$	$-\frac{1}{2}$	$\frac{\sqrt{3}}{2}$	$\frac{1}{2}$	$-\frac{\sqrt{2}}{2}$	1
Cos	0	$\frac{\sqrt{3}}{2}$	$\frac{1}{2}$	$-\frac{\sqrt{3}}{2}$	$-\frac{1}{2}$	$\frac{\sqrt{3}}{2}$	$\frac{\sqrt{2}}{2}$	0