

Algebra 3 Assignment # 2

Complete the following tables please.

Radian Measure	$\frac{8\pi}{3}$		$\frac{3\pi}{4}$		$\frac{\pi}{6}$		5π	
Degree Measure		330°		450°		-135°		240°
Sin								
Cos								
Tan								
Cot								
Sec								
Csc								

Radian Measure	$-\frac{3\pi}{2}$		$-\frac{7\pi}{3}$		$\frac{13\pi}{4}$		$\frac{7\pi}{4}$	
Degree Measure		540°		150°		-210°		270°
Sin								
Cos								
Tan								
Cot								
Sec								
Csc								

Algebra 3 Assignment # 2

Answers

Radian Measure	$\frac{8\pi}{3}$	$\frac{11\pi}{6}$	$\frac{3\pi}{4}$	$\frac{5\pi}{2}$	$\frac{\pi}{6}$	$-\frac{3\pi}{4}$	5π	$\frac{4\pi}{3}$
Degree Measure	480°	330°	135°	450°	30°	-135°	900°	240°
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	$-\frac{1}{2}$
Tan	$-\sqrt{3}$	$-\frac{1}{\sqrt{3}}$	-1	—	$\frac{1}{\sqrt{3}}$	1	0	$\sqrt{3}$
Cot	$-\frac{1}{\sqrt{3}}$	$-\sqrt{3}$	-1	0	$\sqrt{3}$	1	—	$\frac{1}{\sqrt{3}}$
Sec	-2	$\frac{2}{\sqrt{3}}$	$-\sqrt{2}$	—	$\frac{2}{\sqrt{3}}$	$-\sqrt{2}$	-1	-2
Csc	$\frac{2}{\sqrt{3}}$	-2	$\sqrt{2}$	1	2	$-\sqrt{2}$	—	$-\frac{2}{\sqrt{3}}$

Radian Measure	$-\frac{3\pi}{2}$	3π	$-\frac{7\pi}{3}$	$\frac{5\pi}{6}$	$\frac{13\pi}{4}$	$-\frac{7\pi}{6}$	$\frac{7\pi}{4}$	$\frac{3\pi}{2}$
Degree Measure	-270°	540°	-420°	150°	585°	-210°	315°	270°
Sin	1	0	$-\frac{\sqrt{3}}{2}$	$\frac{1}{2}$	$-\frac{\sqrt{2}}{2}$	$\frac{1}{2}$	$-\frac{\sqrt{2}}{2}$	-1
Cos	0	-1	$\frac{1}{2}$	$-\frac{\sqrt{3}}{2}$	$-\frac{\sqrt{2}}{2}$	$-\frac{\sqrt{3}}{2}$	$\frac{\sqrt{2}}{2}$	0
Tan	—	0	$-\sqrt{3}$	$-\frac{1}{\sqrt{3}}$	1	$-\frac{1}{\sqrt{3}}$	-1	—
Cot	0	—	$-\frac{1}{\sqrt{3}}$	$-\sqrt{3}$	1	$-\sqrt{3}$	-1	0
Sec	—	-1	2	$-\frac{2}{\sqrt{3}}$	$-\sqrt{2}$	$-\frac{2}{\sqrt{3}}$	$\sqrt{2}$	—
Csc	1	—	$-\frac{2}{\sqrt{3}}$	2	$-\sqrt{2}$	2	$-\sqrt{2}$	-1