

PRE-CALCULUS

Name _____

Furston

Standard Trig. Values Review

Complete the following chart with **exact** values in standard, simplified form.

θ°	θ (radians)	Quadrant	Ref θ	$\sin \theta$	$\cos \theta$	$\tan \theta$	$\cot \theta$	$\sec \theta$	$\csc \theta$
60°	$\pi/3$	I	60°	$\sqrt{3}/2$	$1/2$	$\sqrt{3}$	$\sqrt{3}/3$	2	$2\sqrt{3}/3$
225°	$5\pi/4$	III	45°	$-\sqrt{2}/2$	$-\sqrt{2}/2$	1	1	$-\sqrt{2}$	$-\sqrt{2}$
240°	$4\pi/3$	III	60°	$-\sqrt{3}/2$	$-1/2$	$\sqrt{3}$	$\sqrt{3}/3$	-2	$-2\sqrt{3}/3$
330°	$11\pi/6$	IV	30°	$-1/2$	$\sqrt{3}/2$	$-\sqrt{3}/3$	$-\sqrt{3}$	$2\sqrt{3}/3$	-2
270°	$3\pi/2$	N/A	N/A	-1	0	und	0	und	-1
-585°	$-13\pi/4$	II	45°	$\sqrt{2}/2$	$-\sqrt{2}/2$	-1	-1	$-\sqrt{2}$	$\sqrt{2}$
150°	$5\pi/6$	II	30°	$1/2$	$-\sqrt{3}/2$	$-\sqrt{3}/3$	$-\sqrt{3}$	$-2\sqrt{3}/3$	2
30°	$\pi/6$	I	30°	$1/2$	$\sqrt{3}/2$	$\sqrt{3}/3$	$\sqrt{3}$	$2\sqrt{3}/3$	2
-240°	$-4\pi/3$	II	60°	$\sqrt{3}/2$	$-1/2$	$-\sqrt{3}$	$-\sqrt{3}/3$	-2	$2\sqrt{3}/3$
180°	π	N/A	N/A	0	-1	0	und	-1	und
-90°	$-\pi/2$	N/A	N/A	-1	0	und	0	und	-1