Group Worksheet on Trig Functions of Angles

Name: _____
Section: 9:55 11:00

Part 1: Complete the following Reciprocal Identities:

$\csc\theta = \frac{1}{\sin\theta}$ (done for you)

$\tan\theta$

$\sec\theta =$

$\sin\theta$

$\cot\theta =$

$\cos\theta$

Part 2: Use special right triangles, the definitions of sin, cos, and tan, and the conversion ratios for degrees and radians to complete the following chart. Provide *exact answers* (no decimal approximations):

	θ *in radians*	θ *in degrees*	$\sin\theta$	$\cos\theta$	$\tan\theta$	$\cot\theta$	$\sec\theta$	$\csc\theta$
2.a	$\frac{\pi}{6}$							
2.b		45°						
2.c	$\frac{\pi}{3}$							
2.d	0	0°						
2.e		90°						
2.f		180°						
2.g		270°						
2.h	$\frac{2\pi}{3}$							
2.i		210°						