

Classwork 20
 Intermediate Algebra MTH 35
Topic: Trigonometric functions and reference angles

Name: _____

Fill in the table. Using reference angles, find the exact value of the following.

θ	$0 = 0^\circ$	$\pi/6 = 30^\circ$	$\pi/4 = 45^\circ$	$\pi/3 = 60^\circ$	$\pi/2 = 90^\circ$	$\pi = 180^\circ$
$\sin \theta$						
$\cos \theta$						
$\tan \theta$						

1. $\sin(2\pi/3)$ **Quadrant** **Reference angle** **Value**

2. $\tan(5\pi/4)$ **Quadrant** **Reference angle** **Value**

3. $\cos(-\pi/6)$ **Quadrant** **Reference angle** **Value**

4. $\sec(270^\circ)$ **Quadrant** **Reference angle** **Value**

5. $\csc(-120^\circ)$ **Quadrant** **Reference angle** **Value**

6. $\cot(150^\circ)$ **Quadrant** **Reference angle** **Value**