

Classwork 18
Intermediate Algebra MTH 35
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April 27th 2015
Topic: Unit Circle Trigonometry

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