

Homework – Pythagorean Identity

Use the right triangle and fill in the table. Check the Pythagorean Identity. **Must show complete work on a separate piece of paper.**

Quadrant	$\cos\theta$	$\sin\theta$	$\tan\theta$	Pythagorean identity $\sin^2x + \cos^2x$
4	$\frac{2}{3}$			
2		$\frac{1}{2}$		
3	-1			
1	$\frac{4}{5}$			
4		$-\frac{7}{9}$		
2	$-\frac{3}{4}$			
3		$-\frac{7}{8}$		
3		$-\frac{8}{9}$		
2	$-\frac{5}{7}$			
4		$-\frac{2}{3}$		