Name _____ Date _____

Quiz: Pythagorean Identities

1 If $\sin\theta = 21/29$ and $\cot\theta = 20/21$.

Find the value of $\tan\theta$.

2 If $\sin\theta = 21/29$ and $\cot\theta = 20/21$.

Find the value of $\operatorname{cosec}\theta$.

3 If $\sin\theta = 21/29$ and $\cot\theta = 20/21$.

Find the value of $\sec\theta$.

4 If $\sin\theta = 21/29$ and $\cot\theta = 20/21$.

Find the value of $\cos\theta$.

5 simplify:

$7\csc 2x - 7\cot 2x$

6 simplify:

$8\sin 2x + 8\cos 2x$

7 simplify:

$\cot 2x + \cot 2x \tan 2x$

8 simplify:

$\cot 4x + \cot 2x$

9 simplify:

$\csc x \cdot \sin x + \cot 2x$

10 simplify:

$\csc x \cdot \sin x + \tan 2x$

Circle # Correct	0	1	2	3	4	5	6	7	8	9	10
Percentage Score	0%	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%