

Math 109, Practice Quiz 4: Fundamental Trig. Identities

Name: _____

Section: _____

You have 5 minutes to complete the following problems, without using your notes, book, or calculator.

1. Use a reciprocal identity or a quotient identity to write the functions in terms of sine and/or cosine.

$$\tan \theta =$$

$$\cot \theta =$$

$$\sec \theta =$$

$$\csc \theta =$$

2. State the three Pythagorean identities.

3. State the cofunction identities.

$$\cos\left(\frac{\pi}{2}-\theta\right) =$$

$$\cot\left(\frac{\pi}{2}-\theta\right) =$$

$$\sec\left(\frac{\pi}{2}-\theta\right) =$$

4. State the even/odd identities.

$$\csc(-\theta) =$$

$$\sin(-\theta) =$$

$$\cot(-\theta) =$$