

Name: _____

MS6 Quiz 1 (20 points) PRACTICE

Do and show all work on this paper. NO CALCULATORS. Each question is worth 2 points. Final answers must be *exact* (no decimals) and *in simplest form*. Rationalize denominators, if necessary.

1. Convert to radians: 200° 1. _____

2. Convert to degrees: $\frac{8\pi}{3}$ 2. _____

Evaluate each of the following:

3. $\tan(-210^\circ)$ 3. _____

4. $\cos 720^\circ$ 4. _____

5. $\csc \frac{11\pi}{6}$ 5. _____

6. $\sin\left(-\frac{7\pi}{6}\right)$ 6. _____

7. $\sec \frac{\pi}{3}$ 7. _____

8. $\cot \frac{5\pi}{4}$ 8. _____

Express as a function of a positive acute angle:

9. $\cos 250^\circ$ 9. _____

10. $\cot \frac{11\pi}{10}$ 10. _____