Quiz #8 Name:

You may only use your textbook, your notes, and your calculator on these problems. You may not use any outside resources, including tutors or solution manuals. Remember that the purpose of these quizzes is to see if you understand what you have learned on your homework, and also to tell you what you still need to study for the upcoming exam. **(NOTE: this quiz is two-sided.)**

1. (2 points) Find all real numbers in the interval that satisfy the equation. Round approximate answers to the nearest tenth.
2. (2 points) Simplify the following trigonometric expressions, using identities as needed:
3. (4 points) Using the identities you have learned and the different strategies verify the following identities:
5. (2 points) Find the exact value of , given that and , with in quadrant III and in quadrant IV.