Sum and Differences Identities Quiz

1. Solve over the set of real numbers. Round answer(s) to the nearest tenth.
2. If 5 is a solution to , determine the general solution in terms of .
3. Solve for .
4. Prove

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1. Prove

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1. The terminal arm of an angle , in standard position, passes through the point where . Determine the value of in terms of and .
2. Evaluate: .
3. Simplify: