# TOPIC 12-3 Independent Practice Problems

1. Find the exact value of each expression.
   1. Given that, and  is an angle in the fourth quadrant, determine the values of each of the other trigonometric ratios.
   2. Find the exact value of:

a.  b.  c. 

d.  e. 

1. Simplify each trigonometric expression.

1. 

2. 

3. 

4. 

5. 

6. 

1. Verify the following trigonometric identities.

1. 

2. 

3. 

4.  (Hint: write )

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