Unit 9 (2) Test Topics

1. Graphing Trigonometric Functions with transformations
   a. \( f(x) = \csc x \)
   b. \( f(x) = \sec x \)
   c. \( f(x) = \tan x \)
   d. \( f(x) = \cot x \)

2. Verifying Trigonometric Identities
   a. Pythagorean Identities
   b. Reciprocal Identities
   c. Quotient Identities (Tangent & Cotangent)

3. Sum and Difference (Formulas will be provided)

4. Double and Half Angle (Formulas will be provided)

5. Solving Trigonometric Equations where \( 0 \leq x < 2\pi \)

6. Using sum/difference/double/half angle formulas when angle is unknown but information is given about the angle

**Recommended Practice:**

*Chapter Review (from textbook) #22-28, 33, 34, 36-43*

*Chapter Test (from textbook) #1-4, 7-12*