

## 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*

## 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
  - e. Pythagorean Identities
  - f. Reciprocal Identities
  - g. 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*