

Test #4 will be given on Monday, December 6. It will include material from Sections 5.5, 5.6, 6.1 – 6.5, 6.7, 6.8, and 7.1 – 7.3.

MAKEUP POLICY REMINDER:

If you know in advance that you have to miss a quiz or test, you can make arrangements with me to take the quiz or test **before** it is given in class. Otherwise, no makeup quizzes will be given.

If you miss an hour test, it may be made up only if you

1. Contact me on or before the scheduled test date. My office telephone number is 301-279-5215. If I am not there, leave a message stating your telephone number clearly and telling me when I can reach you.
2. Can prove that you have a legitimate excuse.
3. Show me all homework on the relevant material.

If you do not meet these conditions, you will not be permitted to take a makeup test and the percentage equivalent of your final exam grade will be substituted for the grade of the missed test. No student will be permitted to take more than one makeup test.

If you require extended time for tests, you must discuss this with me at least two days before the scheduled test date.

To be prepared for this test, you should be able to

- Graph the tangent function and its transformations.
- Determine the values at which the tangent, cotangent, secant or cosecant functions have intercepts and asymptotes.
- Determine the amplitude, period and phase shift and draw the graph of sinusoidal functions of the type $y = A \sin(\omega x - f)$.
- Find the exact value of the inverse sine, cosine, and tangent functions.
- Use a calculator to determine approximate values of all inverse trigonometric functions.
- Establish identities.
- Use sum/difference, double angle, and half-angle formulas to find exact values.
- Find exact values for solutions of equations involving trigonometric functions, including equations that are quadratic in form.
- Use a graphing calculator to approximate solutions for trigonometric equations.
- Solve right triangles.
- Solve oblique triangles using the Law of Sines or the Law of Cosines.
- Solve applied problems.

Suggested Review Exercises

Chapter 5 Review (p. 452)/ #51, 52, 65, 69

Chapter 6 Review (p. 522)/ #1 - 23 odd, 27, 39, 61, 65, 69, 71, 75, 77, 79, 81, 85, 89, 93, 95, 101 - 107 odd, 111

Chapter 7 Review (p. 574)/ #1, 3, 9, 11, 13, 15, 19, 21, 29, 31, 43, 45, 49, 51