

Attendance Quiz 22 Study Guide for Test 3

Test 3 will be Tuesday, December 6. It will be closed books/notes without a calculator. It covers following topics and sample questions from the text (HW sets) and AQs. You are responsible for the all trigonometric identities. You are expected to know the trigonometric function values of special angles and the inverse trigonometric functions of these values.

Section 7.5 More Trigonometric Equations

Sample questions: AQ # 21, page 528 #3, 7, 9, 11

Section 7.4 Basic Trigonometric Equations

Sample questions: AQ #20, page 522 # 5, 7, 9, 11, 13, 15, 25, 27, 29, 31, 33, 34, 43, 45

Section 7.3 Double-Angle Formulas

- Find $\sin(2x)$, $\cos(2x)$, $\tan(2x)$ from the given information.
Sample questions: AQ #18, page 514 #3, 5, 7, 9, page 515 #29, 31
- Use the formulas for lowering powers to rewrite the expression in terms of the first power of cosine.
Sample questions: AQ #19, page 514 #11, 12

Section 7.2 Addition and Subtraction Formulas

Sample questions: page 506 #25, 27

Section 7.1 Trigonometric Identities

Sample questions: AQ #17, page 498 # 13, 15, 17, 19, 21, 23, 25, 29, 31, 33, 35, 37, 39, 48, 73,

Section 6.4 Inverse Trigonometric Functions and Right Triangles

Sample questions: AQ #16, page 467 #3, 4, 5, 6

Section 5.4 Inverse Trigonometric Functions and Their Graphs

Sample questions: page 411 #1, 3, 4, 5, 6, 7, 8, 9, 10, 23, 25, 27, 29, 31, 33, 35, 37, 39, 41, 43