

Review Problems for Final Exam – Math 1060

Wednesday, December 13 – 1:00-3:00 pm

(See Student Admin for Room Assignment)

Please refer to your text, class notes, previous exam reviews, worksheets and quizzes as you prepare for your final exam. Additionally you should refer to the class web page (<http://courses.math.uconn.edu/math-1060/>) for additional help by clicking on the learning activities link for videos that you can use for review.

Use your calculator appropriately: on the exam, **all work that leads to the answer** must be included in order to earn credit. **Also, when an exact answer is requested, decimal approximations will be marked as incorrect.**

You will be provided with a blank unit circle and a sheet listing the basic trigonometric identities for the exam.

Most of the problems listed are odd-numbered problems, which will enable you to determine right away if your answer is correct. If you have the student solutions manual, then you can see the step-by-step solutions that will provide additional support. You can make a note of any items that may be problematic and we can review those problems in the review sessions during the final week of classes. Exam information can be accessed via the “Exam Info” link on the course web page (see above).

Here is a suggested list of practice problems for review. This is extensive and meant to be a thorough review. Exam items *will not necessarily be exactly like the problems listed*. However, exam items will cover the concepts that are reflected in the problem set.

1.1 - 17, 19, 21, 25, 31, 33, 43

1.2 - 9, 11, 19, 21, 23, 25, 27, 29, 47, 49

1.3 - 19, 23, 35, 37, 41, 43, 51, 55, 59, 65, 67, 69, 71, 73, 79, 95

1.4 - 11, 13, 21, 23, 27, 39, 47, 53, 55, 57, 65, 77, 80

1.5 - 15, 17, 23, 25, 29, 33, 35, 37, 41, 43, 61, 63, 71, 73

1.6 - 11, 35, 37, 39

1.7 - 9, 11, 13, 15, 19, 31, 35, 47, 51, 55, 57

1.8 - 3, 5, 7, 9, 13, 15, 17, 19, 21, 23, 31, 33, 35, 37, 43, 45, 47, 51

1.9 - 9, 13, 15, 17, 19, 23, 31, 33, 35, 37, 38, 39, 45, 49, 53, 57, 59, 69, 71, 73, 83, 87

Chapter 1 Review Exercises - 11, 13, 17, 21, 33, 39, 47, 49, 53, 57, 59, 65, 85, 87, 91

Chapter 1 Test - 7, 9, 11, 13, 15, 19, 21

2.1 - 17, 19, 29, 31, 37, 39, 43, 45, 47, 49, 78

2.2 - 15, 17, 19, 21, 29, 35, 37, 41, 51, 53, 65, 67, 75, 77, 89, 91, 97

2.6 - 5, 7, 9, 11, 15, 17, 23, 73

3.1 - 13, 15, 17, 19, 21, 23, 25, 26, 39, 41, 43, 51, 53, 63, 65, 69, 75, 77

3.2 - 7, 9, 15, 17, 19, 25, 27, 29, 31, 41, 43, 45, 73, 75, 79, 81

3.3 - 11, 13, 15, 17, 19, 21 – 35 (odd), 37 – 47 (odd), 59, 61, 63, 67 – 77 (odd), 83, 97 – 105 (odd)

3.4 - 7, 9, 11, 13, 17 – 39 (odd), 45, 49, 55, 59, 73, 75, 77

3.5 - 7, 11, 21, 23, 25, 29, 33, 43

Chapter 3 Review Exercises - 17, 19, 41, 43, 45, 47, 59, 61-67 (odd), 69, 73, 75, 77, 81, 83, 85, 93, 95, 99, 113

4.1 - 11-19 (odd), 35, 37, 51

4.2 - 7, 9, 11, 13, 17, 23, 27, 31, 33, 39

4.3 - 5, 7, 9, 13 – 29 (odd), 41, 43, 47, 49, 55, 57, 61, 63, 65, 67, 69, 70

4.4 - 9, 15, 19 – 22, 23, 25, 37, 39, 53, 59, 63, 65, 91, 93, 95, 97

4.5 - 5 – 17 (odd), 31 – 37 (odd – identify at least 4 points with exact values), 45, 47, 49, 51, 59, 83, 85, 93

4.6 - 15 – 21 (odd– be able to identify at least 4 points with exact values), 39, 41, 49 – 55 (odd), 85

4.7 - 6 – 17 (odd, answers should be exact – no decimal approximations), 53 – 61 (odd), 65 – 73 (odd)

4.8 - 5 – 11 (odd), 15, 19, 21, 25

Chapter 4 Review exercises - 1, 3, 5, 9, 11, 19 - 27 (odd), 33, 39, 47 – 57 (odd), 63, 65, 67, 77-80, 87, 89, 93

5.1 - for reference – see page 350 for identities - 7, 15 – 23 (odd), 29, 31, 33, 45

5.2 - 9, 13, 17, 27, 35, 57

5.3 - 11, 13, 19, 25, 31, 33, 39, 41, 59, 63, 65

Chapter 5 Review exercises - 1, 3, 5, 7, 10, 23, 27 – 45 (odd)