

Exam 2 Review

This exam covers sections 6.2, 6.4, 6.5, and 6.6 in your textbook, as well as the material from our Right Triangle Trig and Group Work 3 activities. You should be able to do the following (associated textbook sections and assignments are listed in parentheses).

- Given two pieces of information about a right triangle (side lengths and/or acute angle measures), solve the triangle. (6.2, 6.4, Right Triangle Trig activity)
- Solve application problems dealing with angles of depression or elevation using right triangle trigonometry. (6.2)
- Know the domain and range of the inverse trig functions, and calculate either exact or approximate values of those functions. (6.4)
- Use the Law of Sines to solve an ASA, SAA, or SSA triangle, possibly for an application. (6.5, Group Work 3)
- Identify whether an SSA triangle problem has 0, 1, or 2 solutions. (6.5 Group Work 3)
- Use the Law of Cosines to solve an SAS or SSS triangle, possibly for an application. (6.6, Group Work 3)

You will be given a reference sheet, which will be posted on the website by the end of this week.

For extra practice, try the following problems from the Chapter Reviews and Tests in your textbook. All of the solutions can be found in the appendix at the end of the book. This is true for both the eText and paper version.

Chapter 6 Review (pg. 457): 17, 19, 21, 23, 29, 59, 67, 69, 71, 73, 75, 77, 79, 81

Chapter 6 Test (pg. 461): 5, 10, 13, 14, 15, 16, 17, 18, 20, 21

EXAM DATES

MWF Class: Friday, 2/21 (will use whole class)

TR Class: Thursday, 2/20 (will use last 1 hour 5 minutes of class, so you can either come in on time for more review or show up at 10:55)