

Chapter 5: The Trigonometric Functions

Chapter Objectives:

- Convert decimal degree measures to degrees, minutes, and seconds and vice versa (5.1)
- Identify angles that are co-terminal with a given angle (5.1)
- Solve triangles (5.2,5.4,5.5,5.6,5.7,5.8)
- Find the values of trigonometric functions (5.2,5.3)
- Find the area of triangles (5.6,5.8)

Assignment #	Section	Assignment
1	5.1 Angles and Degree Measures	pg. 281 #18-56 even
2	5.2 Trig Ratios in Right Triangles	pg. 288 #10-24 even, 25,30
3	5.2 continued	Worksheet
4	5.3 Trig Functions on Unit Circle	5.3 Worksheet (front side)
5	5.3 continued	pg. 296 #24-34 even, 39,40,43 5.3 Worksheet(back side)
6	5.1-5.3 Review	Finish 5.1-5.3 Review Worksheet
7	5.4 Applying Trig Functions	pg. 302 #3-9 pg. 302 #11-17odd, 25-27
8	5.5 Inverse Functions/Missing Angles	5.5 Worksheet
9	5.5 continued	pg. 310 #28-44 even, 47,48
10	5.6 Law of Sines	pg. 316 #11-16
11	5.7 Ambiguous Case of Law of Sines	5.7 Worksheet
12	5.8 Law of Cosines	pg. 330 #11-16
13	5.6-5.8 Review Activity	5.6-5.8 Review Worksheet
14	5.6-5.8 Area/Hero's Formula	pg. 316 #19-22, pg. 330 #19-24
15	Chapter 5 Test Review	Chapter 5 Objectives
16	Optional Review	pg. 336 #11-57 odd