

Del Mar College
Department of Mathematics
Math 1316 Trigonometry

Trigonometry by Lial, Hornsby, and Schneider (Ninth Edition)

<i>Textbook Sections</i>	<i>Suggested Textbook Exercises</i>
1.1 Angles	1.1 pg 7 #'s 1,4,9,11,12,13,14,16,19,33,41,47,55,59,62,103,106
1.2 Angle Relationships and Similar Triangles	1.2 pg 16 #'s 3,7,11,13,25,26,30,35,51,54,57,59,63,64,71
1.3 Trigonometric Functions	1.3 pg 27 #'s 1,2,5,8,25,28,29,34,43,45,49,50,55,59,67,65,66
1.4 Using the Definitions of the Trigonometric Functions	1.4 pg 37 #'s 1,3,6,9,10,61,62,65,66,71,73,76
2.1 Trigonometric Functions of Acute Angles	2.1 pg 55 #'s 1,2,11,14,27,29,30,45,46,51,58,60,76,79
2.2 Trigonometric Functions of Non-Acute Angles	2.2 pg 63 #'s 10-17,19,20,21,24,27,31
2.3 Finding Trigonometric Function Values Using a Calculator	2.3 pg 68 #'s 5,7,8,11,14,23,24,27,28,31,59,60,63,69
2.4 Solving Right Triangles	2.4 pg 78 #'s 1,9,11,13,16,21,25,28,33,41,43,46,47,49,50,51,52,53
2.5 Further Applications of Right Triangles	2.5 pg 87 #'s 15,17,19,21,27,29,31,35,36
3.1 Radian Measure	3.1 pg 106 #'s 7,8,11,14,25,30,37,43,46,53,58,63,67,72,77,82
3.2 Applications of Radian Measure	3.2 pg 113 #'s 1,5,8,11,15,21,23,27,31,33,39,42,51
3.3 The Unit Circle and Circular Functions	3.3 pg 126 #'s 7-18,23,24,25,28,52,55,71,72
3.4 Linear and Angular Speed	3.4 pg 131 #'s 3,5,9,13,18,19,22,29,34,35,37,38,39,40
4.1 Graphs of the Sine and Cosine Functions	4.1 pg 153 #'s 13,14,17,20,23,27,30,31,32
4.2 Translations of the Graphs of the Sine and Cosine Functions	4.2 pg 166 #'s 33,34,37,38,39,40,41,45,46
4.3 Graphs of the Tangent and Cotangent Functions	4.3 pg 174 #'s 7,8,13,14,15,19,20,21,22
4.4 Graphs of the Secant and Cosecant Functions	4.4 pg 183 #'s 5,6,7,8,11,13,14
5.1 Fundamental Identities	5.1 pg 203 #'s 7,8,11,25,27,31,53,56,57,61,62,65,66
5.2 Verifying Trigonometric Identities	5.2 pg 212 #'s 37,43,45,49,51,52,53,56,59,61,65,69,73
5.3 Sum and Difference Identities for Cosine	5.3 pg 222 #'s 5,7,9,47,48,49,51
5.4 Sum and Difference Identities for Sine and Tangent	5.4 pg 229 #'s 9,10,13,17,19,41,42,43,45,47,51,57,60,61,63
5.5 Double-Angle Identities	5.5 pg 239 #'s 7,9,13,17,21,29,31,37,39,43,47,51,55,59,61,65
5.6 Half-Angle Identities	5.6 pg 245 #'s 11,12,15,19,21,23,25,27,49,51,53,55

6.1 Inverse Circular Functions	6.1 pg 270 #'s 13,15,16,20,23,25,26,29,47,49,57,59,77,79,80,83,89,91,97,103, 105
6.2 Trigonometric Equations I	6.2 pg 278 #'s 11,13,15,17,19,21,25,29,31,35,37,39,43,45
7.1 Oblique Triangles and the Law of Sines	7.1 pg 308 #'s 5,9,13,25,26,27,33,34,43,47
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7.3 The Law of Cosines	7.3 pg 327 #'s 19,21,25,27,31,39,41,43,49,51,65,67
7.4 Vectors and the Dot Product	7.4 pg 340 #'s 19,25,27,33,35,37,39,49,56,65,67,71,73,77,82,87,92