

MATH 1316 – Trigonometry - Homework List

For the textbook *Trigonometry*, 9th Edition by Lial, Hornsby, and Schneider

1.1	1,5,11,13,17,19,21,23,24,25,29,31,33,35,37,45,49,53,59,61,63,65,73,81,87,89,93,95,97,101,103,105,107,109,115,117,119,123,125,127,129,130
1.2	1,3,5,11,13,15,17,23,25,27,30,37,39,41,45,51,57,59,67,74,75
1.3	1,3,5,9,11,15,21,22, 25-43,(odds), 45,49,51,55,59,61,63,65,73,75,77,79,81,85,87,89,91,93,95,97, 98
1.4	1,3,4,5,7,8,9,11,13,15,16,17,18,19,24,25,27,29,31,35,39,41,42,45,49,51,53,54,57,59,60,61,62,63,65,67,69,71,72,75,77,79,81,83,85,87,89,91,93,94,95,97
2.1	5,7,9,11,13,21,23,24,25,27,29,31,35,37-49,51,52,54,58,59-64,67,70-76,79,80,81,83
2.2	5,6,7,8,10-17,19,21,27,30-33,37,44-47,52,54-57,59-65,67,69,71-82
2.3	1,3,6,12,15,18,23,24,25,29,30,31,33,36,37,41,44,46,47,55,57,61,63,65
2.4	1,4,6,9,15,17,19,21,23,27,35,41,43,44,45,47,49,51,53
2.5	1,2,5,7,11,15,17,19,20,21,24,25,27,29,32,35,36,39
3.1	7,13,15,17,21,25,29,31,33,35,39,41,43,45,51,53,55,56,59,61,63-83(odds),86,87
3.2	3,5 (The 3π in the drawing is the length of the subtended arc.),7 (The 3 in the drawing is the length of the subtended arc.),11,15,19,21,25,27,31,33,34,35,37,39,43,47,51,55,57,58,61,64-66,71
3.3	1,5,7,9,10,11,13,17,19,21,22,25,29,30,35,41,43,45,49,51,53,55,58,59,61,62,63,66,69,71,72,75,79,80abc
3.4	1,5,8,10,15,25,26,29,33,35,37,40,42,43,44
4.1	1,3,5,7,11,13,15,17,19,23,26,27,29,31,33,37,39,41,43,45,47,48,49,50,51,55abcd,63-66
4.2	1-25,27,29,31,33,35,37,39,43,45,47,49,51,53,55,57abcd
4.3	1-6,7,9,11,12,13,17,19,21,23,25,26,29,32,33-36,38,39,41,43,45
4.4	1-5,7,9,11,13,15,17,19-24,27,31,33
4.5	1,3,9,17
5.1	1,2,4,5,7,9,11,13,15,17,19,21,22,23,25,27,29,31,33-37,45,49,51,53,57,63,66,68,69,77
5.2	1,3,5,13,15,17,19,21,27,31,33,35,37,39,41,43,45,47,49,51,53,59,61,63,65,71,75,83,93,94
5.3	5,9,11,13,27,29,33,35,37,39,47,49,52,53,55,63,65,67,71
5.4	1,3,5,7,11,15,17,23 (The instructions for this group of problems should read, “Use Sum or Difference Identities to rewrite each of the following expressions.”),27,31,37,38,41,43,47,50,52,53,55,57,61,67-73
5.5	1,5,9,13,15,17,19,21,25,26,29,30,37,41,45,49,51,53
5.6	3,9,11,15,19,21,23,27,29,33,35,39,49,51,55,57,62
6.1	13-26,35,38,43,46,47,49,50,55,57,58,59(Answer should be -0.82612.),61,62,74,75,77,79,80,81,83,84,85,87,88,89,91,93,95,97,99, 101,102,103,105,109
6.2	11,13,15,17,19,21,23,25,27,31,33,35,41-43,47,56,58
6.3	7,9,11,13,15,17,19,21,23,25,27,31,33,35,36,37,39,40,41,46,47
6.4	5,7,9,11,15,17,23,25,27,29,31,33,35,37,38,49,51,53
7.1	3,7,9,15,28,29,31,41,47,49,51,52
7.2	5,7,9,11,13,17,23,25,27,29,37
7.3	9,13,19,23,27,29,33,35,39,41,52,53,57,59,61,77,79
7.4	1,2,5,7,9,11,19,23,25,27,29,33,35,37,41,43,47,51,53,62,67,69,71,75,77,81,85,87,91,93-97
7.5	3,5,7,9,10,15,19,21 (The “direction” of the wind is it bearing.),23,25,27,29
8.5	3,5,7,9,13,19,21,23,25,37-40,41,42,43,45,46,50,53,55,57,59,61,63,73,75
8.6	2,3,5,9,11,13,15,19,23,25,27,31,33,35,39,41,45
	The following sections are optional. If covered, they will be for extra credit on the Final Exam.
8.2	3,4,7,9,15,18,19,25,27,29,32,33,35,39,43,45,47,48,49,51,53,59,60,61,63
8.3	3,9,11,15,19,21,25,29
8.4	1,5,13,15,19,20,27,29,31,33,34,36,39,41