

DE ANZA COLLEGE

Math 51-27 (call #1688): Trigonometry **Date/Time** : Tuesdays & Thursdays, 3:45 pm – 5:55 pm (E36)
Instructor: Y. AuYOUNG **Office Hours** : TTh 11:10 – 11:30 am , 3:25 – 3:45pm (E37) or by appointment
Message: (a) Maildrop: Adm 111, Admin Bldg **(b) v-mail:** (408) 864-8999 ext 3312, **(c) e-mail:** auyoungatman@fhda.edu

This is a collaborative class and you are required to work with your classmates both inside and outside of class - **NO EXCEPTIONS!** Students are encouraged to form *study groups*. Throughout the course, working collaboratively in groups and relating the material to the real world will be stressed. A scientific calculator (TI-83, TI-84, or TI-86) will be used. Bring pencil, ruler, paper, calculator, and text to each class meeting. The students will apply the tools of algebra to solve analytic trigonometry problems, including identities, equations, inverse functions and their graphs, solve problems related to right/oblique triangles, vectors, and their applications.

Prerequisite: Passing grade (C or Better) in *Intermediate Algebra (Math 114)* or Equivalent

Text: *Trigonometry* (9th Edition), by *Lial, Hornsby, and Schneider*

Related Materials: TI-83 PLUS (or 84 or 86) graphing calculator; a small stapler; small pencil sharpener, and scantron.

TI Calculator Instructions: <http://www.ti.com/calc>

Student Conduct: *You are required to participate in all class work. Any student disrupting class will be asked to leave. A student who refuses to leave the room will be dropped from the class and will be reported for further action.*

Cell Phones: In the classroom, you **must turn off the cell phones/pagers or set in vibrate mode**. If a cell phone/pager rings in class, the student will have to leave and this will count as a full class absence. *If this should occur during a quiz, test or the final exam, the student will receive a zero grade for that test. Cell phone cannot be used as a calculator or for any reason/purpose in quiz, test, or final exam.*

Attendance: Class attendance is **mandatory** and is counted for 20 points. *You are expected to arrive promptly each class and stay for the entire class.* Each absence, tardiness for any reason will result in a loss of 4 points. Arriving to class late or leaving early will be counted as half absent. You may be dropped for missing 2 classes without a reasonable excuse. **If you are absent in any class during the first week, you will be dropped.** If you miss a class, please work with a fellow student to keep up with class activity. You are responsible for reading the material on your own and for turning in all assignments that is due on the day you return to class.

Drop Policy: A student who discontinues coming to class and does not drop the course will receive an F. Should you stop attending, you will not be automatically dropped. ***It is your responsibility to drop the class yourself.***

Homework: The purpose of homework is to help you learn the course material. It is your responsibility to read the text **before each class** and do the homework **on a daily basis**. You will be involved in a group with whom you may share your work. Homework must be done daily and will be **collected on the due date at the beginning of class**. Grading will be on your effort, neatness, and completeness. In order to receive full credit, you **must** follow the guidelines as described in the first class meeting and show how you arrived at the answer for each problem. ***Turning in answers only is not considered completing the assignment. Late or sloppy homework could earned no credit.*** Some of the problems on quizzes/tests will be very similar to the homework/classwork problems. Please keep up with the assignments daily. **If you cannot commit to 2 hours a day of homework, you are in the wrong class!** Collaborative effort on quizzes or tests, however, is **not** allowed. ***Students who don't do homework do not succeed in math, any math! Please keep up with the assignments and your study on a regular basis (daily).***

Projects: Projects are done in groups and use data collected by the group. ***No make-ups or late papers will be accepted.***

Quizzes: Quizzes are closed book. Quizzes will test your understanding and completion of the homework problems. **The lowest quiz grade will be dropped. No make-ups are given for missed quizzes.**

Tests: Tests are closed book. **The lowest test grade will be dropped. No make-ups are given for missed tests.**

Final Exam: A two-hour comprehensive exam will be given on **Tuesday, Dec 9, 2008, 4:00 pm – 6:00 pm**. ***If you miss the final exam without my approval in advance, you will receive an F for the course.***

Grade:	Quizzes (7@10) : 60 (<i>drop the lowest 1 score</i>)	A : 510 or above
	Tests (3 @100) : 200 (<i>drop the lowest 1 score</i>)	B : 450 – 509
	Attendance : 20	C : 390 – 449
	Homework/Project : 78	-----
	Final Exam : 200	D : 330 – 389
	Total : 558	F : 0 – 329

MATH 51 - Trigonometry Minimum Homework Assignments Cover Sheet

Name: _____ Row: _____ CID: _____

Assignments are handed in within the first 5 minutes of the day they are due. **Late or sloppy work will not be accepted. Work MUST be neatly done in pencil on the front side of an 8½ x 11 loose-leaf binder paper. (No doggy-ears) Write on the back only if can be read.** Each answer must be clearly indicated and supported by sufficient work for full credit. Graph must be neatly done on a graph paper (use a ruler). Draw a line between each problem and **start a new page for each section.** Problems and pages must be in their proper order, and pages must be stapled or points will be deducted. Please **circle the problem number(s) that you did not complete.** **Keep this cover sheet in your homework folder.**

_____ H1 (Ch 1 max 8): due Tue, 9/30	_____ H5 (Ch 5 max 12): due Thur, 11/6	Test 1 (1.1 - 3.4): Thur, 10/16
_____ H2 (Ch 2 max 10): due Tue, 10/7	_____ H6 (Ch 6 max 8) : due Thur, 11/13	Test 2 (4.1 - 5.6), Thur, 11/6
_____ H3 (Ch 3 max 8): due Thur, 10/16	_____ H7 (Ch 7 max 10): due Tue, 11/25	Test 3 (6.1 - 7.5), Thur, 11/25
_____ H4 (Ch 4 max 10): due Thur, 10/23	_____ H8 (Ch 8 max 12): due Thur, 12/4	Final Exam: Tuesday, Dec 9, 08

Note: Circle the problem(s) that you did not complete in this homework sheet and submit each homework package as scheduled.

(H1)	Sec Pg#	Minimum Homework Problems
	1.1 7	6, 12, 16, 19, 21, 23, 24, 29 – 32, 41, 55, 56, 6267, 75, 84, 88, 91, 92, 97 – 102, 107, 110, 113, 117, 120, 123, 125, 129
	1.2 16	2, 3, 6, 10, 12, 13, 18, 20, 23, 24, 25, 29, 31, 36, 37, 38, 39, 40, 46, 47, 51, 53, 60, 65, 68, 74
	1.3 27	1, 10, 12, 18, 20 – 24, 27, 28, 29, 30, 35, 39, 42, 47, 49, 52, 61, 62, 65, 72, 74, 78, 79, 82, 83, 85, 88, 89, 99, 102, 103, 104
	1.4 37	3, 8, 11, 15, 16, 17, 18, 27, 29, 34, 36, 37, 42, 44, 51, 54, 58, 59, 60, 63, 65, 72, 75, 83, 84, 85, 86, 87, 88, 89, 90, 93, 94
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(H2)	2.1 55	3, 6, 10, 15, 17, 23, 26, 28, 29, 42, 44, 55, 57, 64, 65, 68, 70, 74, 75, 78, 80, 82
	2.2 63	10 – 17 (make a table – extend the table to 360° and insert a radian column), 29, 33, 41, 43, 44 – 53, 55, 57, 60, 62, 64, 65, 71, 73
	2.3 68	32, 33, 36, 38, 42, 44, 45, 50, 52, 58, 64
	2.4 78	2, 5, 6, 7, 12, 17, 18, 19, 20, 33, 38, 39, 40, 43, 44, 56
	2.5 87	1, 2, 3, 4, 6, 7, 9, 15, 17, 21, 24, 25, 26, 28, 30, 34, 38
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(H3)	3.1 106	12, 13, 19, 20, 21, 22, 23, 24, 39, 45, 51, 56, 59, 61, 74, 75, 76, 77, 78, 82, 84, 85, 87
	3.2 113	3, 6, 8, 14, 15, 19, 20, 23, 25, 27, 31, 33, 36, 42, 44, 45, 49, 51, 58, 62, 71
	3.3 126	2, 5, 13, 18, 21, 29, 32, 33, 39, 41, 43, 46, 48, 50, 53, 57, 58, 62, 64, 65, 67, 71, 72, 76, 78
	3.4 131	1, 2, 3, 6, 17, 22, 25, 27, 28, 37, 40
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(H4)	4.1 153	5, 7, 9, 12, 18, 21, 22, 33, 34, 35, 36, 42, 43, 45, 47, 48, 51
	4.2 164	1, 7, 8, 10, 12, 15, 17, 19, 20, 21, 24, 29, 32, 43, 44, 46, 50, 55
	4.3 174	6, 7, 11, 15, 23, 24, 34, 35, 37, 38, 41, 42, 43, 47
	4.4 183	1, 3, 6, 8, 13, 17, 20, 21, 23, 25, 26, 29, 30, 32
	4.5 187	1, 5, 9, 12, 16, 19
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(H5)	5.1 203	4, 4, 6, 9, 10, 16, 18, 20, 21, 23, 25, 28, 32, 36, 37, 39, 41, 43, 44, 46, 50, 52, 55, 57, 58, 59, 65, 66, 67, 70, 78, 79, 81, 82
	5.2 212	6, 7, 10, 16, 17, 20, 22, 28, 31, 32, 33, 34, 37, 43, 45, 48, 53, 55, 56, 61, 64, 67, 70, 71, 73, 76, 77, 79, 81, 83, 85, 87 – 92, 94
	5.3 221	3, 6, 8, 12, 20, 22, 32, 33, 36, 37, 40, 41, 44, 45, 47, 49, 54, 59, 60, 61, 62, 65, 66
	5.4 229	1, 5, 7, 12, 13, 26, 27, 33, 36, 38, 39, 40, 42, 44, 48, 50, 57, 58, 63, 66
	5.5 239	3, 4, 9, 12, 14, 17, 19, 22, 23, 28, 29, 30, 33, 34, 37, 40, 42, 47, 53, 57, 61, 63, 66
	5.6 245	3, 4, 5, 8, 12, 18, 19, 22, 25, 28, 32, 33, 34, 39, 41, 43, 47, 52, 53
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(H6)	6.1 269	4 – 12, 17, 19, 20, 22, 24, 27 – 29, 37, 41, 42, 43, 44, 46, 55, 58, 63, 68, 70, 73, 74 – 76, 77, 79, 82, 90, 91, 94, 97 – 99, 103, 104
	6.2 278	5, 7, 8, 9, 10, 11, 15, 16, 18, 19, 22, 27, 28, 31, 35, 36, 37, 39, 44, 45, 49, 51, 54, 58
	6.3 284	2, 5, 6, 9, 10, 13, 15, 17, 18, 19, 20, 22, 27, 28, 34, 38, 39, 41
	6.4 290	4, 12, 13, 15, 17, 23, 24, 25, 28, 29, 31, 33, 35, 38, 39, 42, 52
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(H7)	7.1 308	1, 2, 3, 7, 11, 19, 21, 22, 23, 24, 27, 31, 34, 37, 40, 41, 46, 53, 55
	7.2 317	1, 2, 3, 5, 6, 7, 12, 16, 17, 21, 23, 31, 32, 33, 36, 39
	7.3 326	2, 8, 9, 11, 15, 20, 23, 35, 38, 40, 44, 48, 53, 61, 63, 73, 74, 80
	7.4 341	3, 4, 5, 9, 11, 13 – 18, 22, 24, 25, 27, 31, 35, 37, 39, 44, 47, 49, 53, 57, 58, 61, 65, 67, 69, 70, 72, 75, 76, 77, 81, 84, 86, 90, 91
	7.5 347	1, 5, 8, 13, 15, 19, 23, 27
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(H8A)	8.1 369	1, 2, 5, 6, 8, 10, 13, 15, 22, 23, 26, 27, 33, 37, 38, 41, 42, 48, 50, 51, 59, 6266, 67, 69, 75, 78, 79, 88 – 94, 96, 100, 101, 110
	8.2 376	2, 5, 6, 7, 9, 12, 13, 17, 21, 22, 26, 28, 33, 37, 38, 41, 44, 47 – 50, 59 – 62, 65
	8.3 382	1, 2, 3, 9, 12, 15, 17, 19, 21, 23, 40, 41, 42
	8.4 389	3, 6, 10, 12, 13, 17, 20, 22, 26, 30, 31, 35, 39, 43, 49, 58, 59, 60,
	8.5 401	1, 2, 9, 11, 16, 17, 18, 21, 24, 25, 37, 38, 39, 40, (41 – 63 odds), 66, 74, 76
	8.6 411	1, 2, 3, 4, 7, 11, 12, 16, 20, 24, 25, 27, 29, 31, 33, 39, 43, 54, 55, 56

De Anza College – Fall Quarter, 2008
Math 51 (Tentative Schedule)

wk	Month	Monday	Tuesday	Wednesday	Thursday	Test/HW Due date
1	Sept	22	23 1.1 – 1.2	24	25 1.3 – 1.4	Read material before each class (a) Practice your calculator (b) Study each section/chapter (c) Do HW as assigned
2	Sept/ Oct	29	30 2.1 – 2.3 <i>(H1 due)</i>	1	2 2.4 – 2.5	H1 due Tuesday, 9/30 Daily Quiz Last Day to drop for full credit – Friday, 10/3 (out-of-state 9/28)
3	Oct	6	7 3.1 – 3.2 <i>(H2 due)</i>	8	9 3.3 – 3.4	H2 due Tuesday, 10/7 Daily Quiz Last Day to drop with no record of grade – Friday, Oct 10, 08
4	Oct	13	14 4.1 – 4.2	15	16 4.3 – 4.4 <i>(H3 due)</i>	Daily Quiz H3 due Thursday, 10/16 T1 (Ch 1, 2, 3)
5	Oct	20	21 4.4 – 4.5	22	23 5.1 – 5.2 <i>(H4 due)</i>	H4 due Thursday, 10/23 Daily Quiz
6	Oct	27	28 5.3 – 5.4	29	30 5.5 – 5.6	Daily Quiz
7	Nov	3	4 6.1 – 6.2	5	6 6.3 – 6.4 <i>(H5 due)</i>	Daily Quiz H5 due Thursday, 11/6 T2 (Ch 4 and 5)
8	Nov	10 Veterans' Day Holiday	11 7.1 – 7.2	12	13 7.3 – 7.4 <i>(H6 due)</i>	H6 due Thursday, 11/13 Daily Quiz Last Day to drop with "W" – Friday, Nov 14, 2008
9	Nov	17	18 7.4 – 7.5	19	20 8.1 – 8.2	Daily Quiz
10	Nov	24	25 8.3 – 8.4 <i>(H7 due)</i>	26	27 Thanksgiving Holiday	H7 due Tuesday, 11/25 T3 (Ch 6 and 7)
11	Dec	1	2 8.5 – 8.6	3	4 Overall Review <i>(H8 due)</i>	Ch 8 Quiz H8 due Thursday, 12/4
12	Jun	8	9 Final Exam (4:00 – 6:00 pm)	10	11	Final Exam (all chapters)
Reminder:		<u>7 Q's from (drop the lowest score):</u> About one quiz from each chapter (Ch 1 thru Ch 8)		<u>3 tests (drop the lowest score):</u> Test 1 (Ch 1, 2, 3) Thursday, Oct 16 Test 2 (Ch 4 and 5) Thursday, Nov 6 Test 3 (Ch 6 and 7) Tuesday, Nov 25		a. 7 quizzes (drop the lowest score) b. 3 tests (drop the lowest test score) c. 2-hour Final Exam (all chapters)

Winter Session Begins: Monday, Jan 5