

DE ANZA COLLEGE

Math 114-66 (22575) Intermediate Algebra

Instructor: Y. AuYOUNG

Additional Office Hours: MW 12:00 pm – 12:45 pm via e-mail (auyoungyatman@fhda.edu) or v-mail ((408) 864-8999 ext 3312)

Date/Time: Mondays and Wednesdays, 6:30 pm – 8:45 pm (Adm 103)

Office Visit Hours: MW 12:45 pm – 1:15 pm or by appointment (E37a)

(Note: For your protection, I do not release/discuss any personal info, including student grade, via phone nor email)

This is a collaborative class and you are required to work with your classmates both inside and outside of class - NO EXCEPTIONS! Throughout the course, working collaboratively in groups and relating the material to the real world will be stressed. Students are encouraged to form study groups. A scientific calculator (e.g. TI-83, 84 or 86) will be used. Bring pencil, ruler, paper, calculator, and text to each class meeting. Students will apply the tools of elementary algebra to more complex problems, examine quadratic, radical, exponential and logarithmic functions and their graphs, word applications, as well as Arithmetic and Geometric sequences and summation notation.

Students Learning Outcomes: (1) Evaluate real-world situations and distinguish and apply exponential, logarithmic, rational and discrete functions appropriately. (2) Analyze, interpret and communicate results of exponential, logarithmic, rational and discrete models in a logical manner from four points of view – visual, formula, numerical and written.

Prerequisite: Passing grade (C or Better) in Beginning Algebra (Math 212) or the Placement Test within the last calendar year

Text: Intermediate Algebra for College Students by Blitzer, 5th Edition (De Anza Custom 2nd Edition)

Related Materials: TI-83 PLUS (or 84 or 86) graphing calculator is required (**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.

Cheating will not be Tolerated. If anyone is caught cheating in any work (in class/take home), s/he will pay the consequences

Cell Phones: In the classroom, you **must turn off or set in vibrate mode your cell phone and all electronic equipments.** If a cell phone 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 purpose in quiz or exam.**

Attendance: Class attendance is mandatory and can earn up to 20 points for perfect attendance. You are expected to present promptly each class and stay for the entire class. Coming late, leaving early or in and out the classroom is irresponsible, impolite, and disruptive to your classmates and is not acceptable. Each absence, tardiness for any reason will result in a loss of 2 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. **You must attend each class in the first week of class or 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 not earn any 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 2 hours daily on study/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! Please keep up with the assignments daily.**

Quizzes: Quizzes are closed book. Quizzes will test your understanding and completion of the homework problems. You will need to do the homework thoroughly and completely to do well on the quizzes. **The lowest quiz grade will be dropped. No make-ups.**

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 **Wednesday, Dec 9, 2015, 6:15pm – 8:15pm.** **If possible, the Multiple Choice section may be tested on Wed, Dec 2.** **Bring a brown #2052 scantron . If you miss the final exam, you will receive an F for the course.**

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|---------------|---------------------------|--------------|-----------------------------------|-----------------------|----------------------|--------------------------|
| Grade: | Quizzes (7@10) | : 60 | (drop the lowest 1 score) | A- : 490 – 514 | A : 515 – 528 | A+ : 529 or above |
| | Tests (3 @100) | : 200 | (drop the lowest 1 score) | B- : 433 – 451 | B : 452 – 470 | B+ : 471 – 489 |
| | Attendance | : 20 | | | C : 375 – 403 | C+ : 404 – 432 |
| | Homework/Groupwork | : 64 | (+ possible extra credits) | ----- | | |
| | Final Exam | : 200 | | D- : 317 – 335 | D : 336 – 354 | D+ : 355 – 374 |
| | Total | : 544 | | F : 0 – 316 | | |

Math 114 – 66: Intermediate Algebra – 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. **Include this coverage sheet together with the HW in your homework folder and turn in the folder within the first 2 minutes of class.**

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

____ H1 (7 sec: 1.6, 1.7, 3.3, 4.1, 4.2, 4.3 and 5.6): due Monday, Oct 5 Test 1 (1.6, 1.7, 3.3, 4.1 – 4.3, 5.6, and 6.1 – 6.8) Wednesday, Oct 21
____ H2 (7 sec: 6.1 – 6.6, 6.7, and 6.8): due Wednesday, Oct 21 Test 2 (7.1 – 7.7, 8.5, 9.1 and 9.2) Wednesday, Nov 11
____ H3 (8 sec: 7.1 – 7.7, and 8.5): due Wednesday, Nov 4 Test 3 (9.3 – 9.6 and 11.1 – 11.3) Monday, Nov 30
____ H4 (6 sec: 9.1 – 9.6) due Monday, Nov 23
____ H5 (4 sec: 11.1 – 11.3, and 10.1): due Monday, Nov 30

Final Exam: Wednesday, Dec 9, 2015, 6:15 pm – 8:15 pm.

The Multiple Choice section may be tested on Wed, Dec 2

| Sec | Pg# | Minimum Homework Problems (Chapter Quiz and Test are recommended as a self-test tool for quiz and mid-term test) |
|------|----------------|---|
| (H1) | 1.6 | 73 10, 13, 18, 23, 27 – 31, 37, 39, 47, 51, 55, 58, 65, 67, 71, 78, 81, 83, 95, 98, 101, 105, 111, 116, 117, 120, 122, 125, 129, 138, 140 – 142 |
| | 1.7 | 82 3, 5, 14, 17, 20, 25, 30, 34, 36, 39, 44, 48, 53, 55, 57, 60, 61, 66, 70, 73, 74, 75, 78, 79, 82, 85 |
| | 3.3 | 202 1, 4, 9, 14, 16, 17, 19, 23, 28, 30, 32, 38, 41, 46, 55 – 58, 65 (An optional section) |
| | 4.1 | 249 2, 3, 7, 11, 17, 19, 23, 26, 32, 35, 38, 40, 43, 47, 51, 52, 54 – 56, 71, 74, 76, 79, 94 – 103 (a review section) |
| | 4.2 | 258 2, 3, 5, 6, 8, 9, 11, 13, 17, 19, 21, 27, 29, 32, 34, 36 – 38, 40, 41, 43, 45, 47, 50, 51, 55, 57, 59, 61 – 63, 75, 80, 83 – 86, 89, 90, 96 – 104 |
| | 4.3 | 272 3, 7, 9, 13, 21, 24, 35, 37, 43, 45, 50, 51, 55, 59, 66, 71, 73, 77, 79, 81, 82, 83, 85, 89, 91, 95, 99 – 103, 115 – 123 |
| | 5.6 | 366, 2, 5, 8, 15, 17, 23, 27, 34, 38, 46, 60, 61, 63, 66, 67, 71, 73, 84 – 86, 94 – 106 (a review section) |
| (H2) | 6.1 | 394 3, 5, 9, 13, 15, 17–26, 28, 31, 37, 39, 42, 45, 49, 61, 67, 71, 77, 79, 85, 87, 89, 97, 98, 100–103, 109–112, 120, 122, 123, 130, 131, 136 |
| | 6.2 | 408 5, 11, 13, 18, 21, 27, 30, 37, 41, 48, 50, 53, 55, 62, 65, 71, 75, 77, 78, 81, 82, 83, 94, 96, 97 |
| | 6.3 | 416 1, 4, 5, 9, 13, 18, 25, 29, 31, 37, 41, 45, 47, 49, 51, 56, 59, 60, 64, 65 |
| | 6.4 | 425 1, 7, 11, 17, 27, 33, 35, 39, 44, 47, 49, 61, 62, 65, 66, 69, 71 (dividing by monomials only) |
| | 6.6 | 442 2, 11, 17, 19, 21, 26, 29, 33, 35, 37, 42, 44, 47, 49, 52, 57 – 60, 71, 75, 76 |
| | 6.7 | 454 1, 6, 13, 15 – 18, 19, 29, 31, 37, 39, 43, 47, 51, 55, 67, 70, |
| | 6.8 | 466 3, 5, 10, 14, 15, 19, 23, 26, 31, 37, 39, 42, 49, 50, 51, 53 |
| (H3) | 7.1 | 489 2, 4, 7, 9, 15, 17, 20, 21, 23, 28, 31, 35, 37, 41, 45, 50, 52, 55, 65, 68, 74, 77, 79, 81, 83, 87, 89, 91, 93, 95, 98, 101, 110, 116 – 120 |
| | 7.2 | 500 3, 5, 17, 19, 28, 31, 37, 40, 41, (45 – 53 odds), 59, 63, 67, 72, 73, 77, 87, 89, 97, (101 – 107 odds), 114, 119, 122, 123, 127, 129, 136, 138, 146, 147, 150 |
| | 7.3 | 509 3, 9, 13, 16, 25, 31, 33, 35, 37, 43, 49, 59, 65, 67, 75, 79, 81, 84, 86, 89, 91, 93, 97, 105, 107, 109, 110, 111 |
| | 7.4 | 517 3, 9, 15, 19, 21, 25, 31, 35, 41, 43, 53, 59, 63, 65, 69, 70, 75, 78, 79, 83, 92, 93, 94, 95, 98 |
| | 7.5 | 528 3, 9, 15, 19, 21, 25, 29, 31, 37, 41, 43, 51, 57, 63, 67, 69, 73, 77, 81, 85, 89, 91, 97, 99, 101, 109, 113, 115, 119, 121, 128, 139, 140, 142, 144 |
| | 7.6 | 539 3, 5, 9, 19, 23, 25, 31, 35, 41, 43, 47, 51, 55, 71, 72, 73 |
| | 7.7 | 549 7, 9, 11, 15, 19, 25, 27, 37, 49, 53, 57, 46, 56, 63, 65, 71, 83, 90, 91, 96, 97, 100, 101, 103, 107, 109, 111, 113, 117, 127, 128, 131 – 133, 136 (rev) |
| | 8.5 | 623 1, 3, 7, 9, 15, 17, 25, 26, 27, 31, 35, 36, 37, 39, 43, 45, 49, 52, 53, 55, 57, 61, 63, 64, 65, 73, 74, 86, 87, 89, 90, 91, 92, 94 (rev) |
| (H4) | 9.1 | 646 3, 5, 7, 9, 11, 15, 26, 27, 30, 31, 35, 37, 39, 41, 43, 45, 47, 55, 59, 71, 73, 74 (Composition, Finding Inverses, verifying inverses optional) |
| | 9.2 | 660 1, 5, 7, 9, 13, 15, 19, 21, 23, 24, 25, 29, 33, 36, 38, 41, 43, 46, 47, 48, 52, 61, 64, 67, 69, 71, 83, 84, 92, 93, 94, 95, 96 |
| | 9.3 | 675 3, 5, 11, 13, 1723, 27, 30, 31, 33, 41, 45, 47, 49, 51, 55, 57, 59, 61, 63, 65, 69, 71, 74, 75, 77, 79, 80, 82, 83, 89, 93, 103, 105, 109 – 112 |
| | 9.4 | 686 3, 9, 13, 27, 33, 38, 43, 50, 55, 59, 63, 67, 70, 73, 77, 79, 89, 92, 94 – 98, 99, 100, 102 |
| | 9.5 | 698 7, 13, 17, 21, 27, 33, 37, 39, 45, 49, 51, 57, 59, 61, 62, 64, 65, 67, 71, 73, 81, 85, 87, 99, 100, 109, 111, 113, 121, 123, 125 |
| | 9.6 | 712 3, 7, 9, 17, 19, 23, 27, 29, 46 |
| (H5) | 11.1 | 798 2, 4, 5, 7, 11, 13, 16, 17, 19, 22, 25, 27, 29, 31, 33, 36, 37, 41, 42, 45, 47, 48, 51, 54, 55, 58, 61, 68, 71, 77, 79, 80, 81, 82, 83, 84, 85, 86 |
| | 11.2 | 809 2, 3, 9, 11, 13, 19, 2327, 29, 33, 39, 41, 43, 45, 47, 53, 57, 59, 65, 67, 68, 73, 80, 83 |
| | 11.3 | 823 3, 5, 7, 10, 13, 15, 19, 21, 23, 25, 29, 31, 35, 41, 47, 49, 54, 55, 59 – 63, 67, 73, 77, 82, 85, 87, 89, 91, 99, 105, 107 |
| | 10.1 | 736 3, 5, 7, 13, 21, 23, 29, 32, 35, 37, 40, 42, 45, 49, 51, 56, 61, 65, 68, 75, 76, 80, 81 |

De Anza College – Fall Quarter 2015
 Math 114 – 66 Tentative Schedule (subject to be changed as needed)

| wk | Month | Monday | Tuesday | Wednesday | Thursday | HW/Quizzes/Test in this week |
|------------------|--------------|--|---------|--|---------------------------|---|
| 1 | Sept | 21 <i>Instruction Begins</i> Review 1.6 and 1.7 <i>Read text material before each class</i> | 22 | 23 Review 3.3 and 4.1 <i>Begin Calculator and HW</i> | 24 | <i>Read material before each class</i> <i>Begin HW and study daily, and starts calculator practices</i> |
| 2 | Sept/ Oct | 28 <i>Quiz</i> 4.1 – 4.3 | 29 | 30 <i>Quiz</i> 4.3, 5.6 | 1 | <i>Daily Quiz</i> <i>Last day to add: Sat, Oct 3</i> <i>Last Day to drop with no record of Grade: Sun, Oct 4</i> |
| 3 | Oct | 5 <i>Quiz</i> 6.1 – 6.2 | 6 | 7 <i>Quiz</i> 6.3 – 6.4 | 8 | <i>Daily Quiz</i> |
| 4 | Oct | 12 <i>Quiz</i> 6.6 – 6.7 | 13 | 14 <i>Quiz</i> 6.8 Ch 6 Review | 15 | <i>Last day to request P/NP: Friday, Oct 17</i> |
| 5 | Oct | 19 <i>Quiz</i> 7.1 | 20 | 21 T1 7.2 – 7.3 | 22 | <i>Daily Quiz</i> T1 (1.6, 1.7, 3.3, 4.1, 4.2, 4.3, 5.6, and Ch 6) |
| 6 | Oct | 26 <i>Quiz</i> 7.4 – 7.5 | 27 | 28 <i>Quiz</i> 7.6 – 7.7 | 29 | <i>Daily Quiz</i> |
| 7 | Nov | 2 <i>Quiz</i> 8.5 Ch 7 Review | 3 | 4 <i>Quiz</i> 9.1 – 9.2 | 5 | <i>Daily Quiz</i> |
| 8 | Nov | 9 Holiday Veterans Day | 10 | 11 T2 9.3 – 9.4 | 12 | T2 (7.1 – 7.7, 8.5, 9.1, and 9.2) Last Day to drop with a “W”: Friday, Nov 14 |
| 9 | Nov | 16 <i>Quiz</i> 9.4 – 9.5 | 17 | 18 <i>Quiz</i> 9.5 – 9.6 Ch 9 Review | 19 | <i>Daily Quiz</i> |
| 10 | Nov | 23 <i>Quiz</i> 11.1 – 11.2 | 24 | 25 <i>Quiz</i> 11.3 and 10.1 | 26 Thanksgiving | <i>Daily Quiz</i> |
| 11 | Dec | 30 T3 Review <i>(Radical, Radical Functions and Rational Exponents)</i> | 1 | 2 Review <i>(Final Exam Part I?)</i> | 3 | T3 (9.3 – 9.6 and 11.1 – 11.3) May schedule Final Part I (Multiple Choices) on Wed (12/2) |
| 12 | Dec | 7 | 8 | 9 Final Exam 6:15 pm – 8:15 pm | 10 | Final Exam (all chapters) --- may schedule the multiple choice section: Wed, Dec 2 |
| Reminder: | | <i>7 Q's (drop the lowest score) from:</i> <i>About one quiz from each chapter (including Ch 1, 3, 4, 5, 6, 7, 8, 9, 10 and 11)</i> | | <i>3 Midterm Tests (drop the lowest score):</i> <i>Test 1 (1.6, 1.7, 4.1, 4.2, 4.3, 5.6, and 6.1 – 6.8)</i> <i>Test 2 (7.1 – 7.7, 8.5, 9.1 and 9.2)</i> <i>Test 3 (9.3 – 9.6 and 11.1 – 11.3)</i> | | <i>a. 7 Quizzes (drop the lowest score)</i> <i>b. 3 Tests (drop the lowest score)</i> <i>c. 2-hour Final Exam (all chapters)</i> |

* Winter 2016 Quarter Classes start Monday, Jan 4, 2016 Enjoy the Christmas and the New Year Holidays!