

**Math 212****De Anza College, Cupertino.****Quarter- Winter 2016**

**Course:** Math-D212.24, Algebra I CRN # 01360-01  
**Time:** MW, 1:30 to 3:45 p.m. Room – MLC 270  
**Prerequisite:** Mathematics 210, Prealgebra with C or better grade, or qualifying scores on the Math Placement Test.  
**Textbook:** Intermediate Algebra, Fifth Edition. By Blitzer **Equipment:** Scientific calculator.  
**Instructor:** **H. K. SHAH.** Email: shahhemendra@fhda.edu  
 Office hours: MW, 4:00 to 4:30 p.m. in Room E 37.

**Attendance:** Students are expected to attend all class meetings without tardy. Student with three recorded absences may be dropped from the course. If student decides to drop the course, it is his/her responsibility to drop the course. Student will lose 5 points for each absence. **Disappearing from the class does not qualify for getting 'W' for the course, but will get "F" grade.**

**Student Learning Outcome Statements (SLO):** • Evaluate real-world situations and distinguish between and apply linear and quadratic function models appropriately. • Analyze, interpret, and communicate results of linear and quadratic models in a logical manner from four points of view - visual, formula, numerical, and written. • Demonstrate an appreciation and awareness of applications in their daily lives.

**Course Outline:** I will cover chapters one to five and chapters seven and eight partially. It will cover the topics such as Mathematical Models and problem solving, Linear Functions, Systems of Linear Equations, Inequalities and Problem solving, Polynomials, Polynomial Functions, and Factoring, Complex numbers, Quadratic Equations and functions. It is an intensive course, requiring ten to fifteen hours of study time out side the class.

**Homework:** Homework sheet is attached. Every homework has its due date. Do your homework on **standard letter size paper**, writing your name, circling your role number, on top right hand corner, and staple together. Each section starts with new page. Late home work will not be accepted.

**Examinations:** There will be three midterm tests each of one hour, and five quizzes each of 15-20 minutes. There will be no make-ups for missed tests/final or quizzes. Your lowest scored test (if appeared for all tests) will be replaced by % of final if you did better in the final exam. If only one test/quiz is missed due to unavoidable circumstance, and the instructor is notified in advance or quickly; the final exam score will be used to replace missed test/quiz. A comprehensive final examination of two hours will be given during **1:45 to 3:45 p.m. on Monday, 21<sup>st</sup> March 2016** in our classroom. **Student remaining absent in the final exam will get F grade. All students need to save corrected returned papers of quizzes and midterm tests. I may need it in unusual situation.**

**Evening Office Coordinator:** Administrative office Phone: 864-8333

**Disruptive behavior:** De Anza College will enforce all policies and procedures set forth in the *Standards of Students Conduct* (refer catalogue). Any student disruptive in the class will be asked to leave. Administrative follow-up may result.

**Academic Integrity:** It is assumed that all students will pursue their studies with integrity and honesty; however all students should know that incidents of academic dishonesty like cheating and plagiarism are taken very seriously. Students involved in cheating will be dropped and get F for the course. Further disciplinary action by administration will follow.

**Grades:**

Grade Scale	Points range	Percentage range	Examinations	Points
A+ 4.0	476 to 500	95+ to 100 %	Three Tests	3x60 = 180
A 4.0	456 to 475	91+ to 95 %	Five Quizzes	5x20 = 100
A- 3.7	436 to 455	87+ to 91%	Homework	60
B+ 3.3	416 to 435	83+ to 87 %	attendance	10
B 3.0	396 to 415	79+ to 83 %	Final Exam.	<u>150</u>
B- 2.7	376 to 395	75+ to 79 %	Total points	<u>500</u>
C+ 2.3	351 to 375	70+ to 75 %		
C 2.0	326 to 350	65+ to 70 %		
D+ 1.3	306 to 325	61+ to 65 %		
D 1.0	296 to 305	59+ to 61 %		
D- 0.7	276 to 295	55+ to 59 %		
F 0.0	0 to 275	0 to 55 %		

**Math 212**

**De Anza College, Cupertino.**

**Quarter- Winter 2016**

**Course:** Math 212.24, Algebra I

Call # 01364

**Time-** MW 1:30 p.m. to 3:45 p.m.

**Room-** MLC 270

**Text:** Intermediate Algebra, 5<sup>th</sup> Edition. By Robert Blitzer

**Instructor:** H. K. Shah

Email: shahhemendra@fhda.edu

Week # / Month	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1 <b>January</b>	04 1.1, 1.2	5	6 1.3, 1.4	7	8	9
2	11 <b>Quiz-1 HW-1,</b> 1.5	12	13 1.6, 1.7	14	15	16 Last day to add 16 <sup>th</sup> To drop for refund 17 <sup>th</sup>
3	18 <b>Martin Luther King. Holiday.</b>	19	20 <b>Quiz -2, HW-2</b> 2.1, 2.2	21	22	23
4	25 2.3, 2.4,2.5	26	27 <b>HW- 3, Review</b> <b>Test -1</b>	28	29	30
5 <b>February</b>	Feb. 1 3.1, 3.2	2	3 3.5, 4.1	4	5	6
6	8 4.4, 5.1	9	10 <b>Quiz- 3,HW- 4,</b> 5.2	11	12	13
7	15 <b>Washington's birthday. Holiday.</b>	16	17 5.3, 5.4	18	19	20
8	22 <b>HW- 5, Review</b> <b>Test - 2</b>	23	24 5.5, 5.6	25	26 Last day to drop with 'W'	27
9 <b>March</b>	29 5.7, 7.1	March 1	2 <b>HW- 6, Quiz- 4,</b> 7.7	3	4	5
10	7 <b>HW-7,Quiz- 5,</b> 8.1	8	9 8.2, 8.3	10	11	12
11	14 <b>HW- 8, Review</b> <b>Test - 3</b>	15	16 <b>Whole review</b>	17	18	19
12	21 <b>Final Examination</b> <b>1:45 to 3:45 p.m.</b>	22	23 End of quarter.	24	25	26

HW/Quiz/Test #→	1	2	3	4	5	6	7	8
<b>HW sections/ Chapters.</b>	1.1 - 1.4	1.5 - 1.7	2.1 – 2.5	3.1,3.2,3.5 4.1, 4.4	5.1 – 5.4	5.5,5.6,5.7	7.1,7.7	8.1 – 8.3
<b>QZ sections/ Chapters.</b>	1.1 - 1.4	1.5 - 1.7	3.1,3.2,3.5 4.1, 4.4	5.5,5.6,5.7	7.1, 7.7	-----	-----	-----
<b>Test sections/ Chapters.</b>	Chp. 1, 2	Chp. 3, 4, 5.1 to 5.4	5.5 to 5.7 Chp. 7, 8	-----	-----	-----	-----	-----

**All the exams including final exam are 'show your work' type exams. No multiple choice exams.**

**Homework exercises for Math 212, Beginning Algebra. De Anza College, Cupertino.**

**Book: Intermediate Algebra for College Students, 5<sup>th</sup> Edition. Author: Robert Blitzer.**

Chapter	Homework (HW) #	Section #	Exercises
1	HW 1	1.1	7,11,13,25,31,39,43,47,57,59,63,69,71,79,81.
		1.2	9,11,21,55,69,77,91,99,113,129,131,133,137,139 to 142,173 to 177.
		1.3	5,11,15,19,25,27 to 30, 31,33,39,45,57 to 60, 61,63,73,75.
		1.4	7,15,23,37,39,41,45,47,57,63,67,97,99.
	HW 2	1.5	1,3,5,9,13,15,17,19,21,27,29,33,35,37,41,45,51,57,59,71,88 to 91,93,95.
		1.6	11,13,23,27,29,33,39,47,55,71,81,97,105,115,125,127,150 to 157.
		1.7	3,5,11,17,21,25,29,33,35,45,53,57,59 to 62, 67 to 69.
2	HW 3	2.1	1,3,5,7,11,13,15,17,21,23,24,29.
		2.2	3,5,7,19 to 24, 31,33,35,39,41,43,45,51,53,55,59,61.
		2.3	3,9,13,15,17,19,23,27,29,33,37,41,47,49,53,57,59,61,63.
		2.4	7,11,17,19,21,23,25,31,33,41,45,47,49,55,57,59,61,65,67,69,71,75,77, 79, 81, 83,111 to 114.
		2.5	3,7,13,17,21,23,27,31,35,39,43,45,47,49,51,53,55,65,67,71,87 to 90.
3	HW 4	3.1	3,11,13,17,29,33,39,45,63,71,77,87,89,91,93,95,113,115,117,119.
		3.2	3,5,9,11,15,17,19,27,31,35,37,41,43,45,47.
		3.5	3,7,15,21,23,25,29,35,39,47,49,51,53.
4		4.1	3,5,9,11,17,21,25,33,37,39,41,47,51,55,57,61,63,65,67,73,75.
		4.4	5,7,13,15,19,25,31,33,37,45,47,49,51.
5	HW 5	5.1	3,7,13,17,21,23,25,27,31,37,43,47,49,57,61,69,70.
		5.2	5,19,31,47,63,67,75,87,95,113,115,117,139 to 142.
		5.3	1,7,13,19,23,27,31,37,43,47,51,55,65,73,79,81,83,85,101 to 104.
		5.4	5,11,15,19,21,25,27,35,41,43,47,51,59,65,71,79,85,91,99,103,105,107.
	HW 6	5.5	3,7,11,15,19,29,31,37,43,47,51,59,69,75,81,89,105,107,109,111.
		5.6	5,7,11,15,19,27,37,41,45,51,61,65,75,81,85,94 to 97, 98 to 101,103.
		5.7	3,9,11,17,23,27,31,35,39,45,51,55,61,65,73,75,79,105 to 108.
7	HW 7	7.1	5,7,13,23,25,29,31,37,41,45,49,55,63,65,69,83,87,89,91,93,97,99,101.
		7.7	3,7,15,21,31,37,43,49,55,61,69,73,81,85,91,97,105,111.
8	HW 8	8.1	3,7,13,17,21,25,27,31,37,43,51,55,57,61,63,67,75,77,81,83,87.
		8.2	1,3,7,11,17,19,21,23,25,29,33,35,37,39,41,43,45,49,51,59,67,73,77,83.
		8.3	13,15,19,23,25,31,35,39,41,47,51,53,59,61,65,69.