

**New Mexico State University Grants Campus
Fall 2006**

Math 120: Intermediate Algebra

3 Cr.

Overview: Math 120 is designed for students who have had the equivalent of a good high school algebra course but need to improve their algebra skills before proceeding to higher level mathematics. Students who have successfully completed Math 120 should be prepared to take MATH 121, STAT 251G, or STAT 271. The prerequisite for Math 120 is a grade of "C" or better in CCDM 113N or CCDM 114N, or an adequate score on the Elementary Algebra portion of the Computerized Placement Test.

Expected Outcomes: Upon successful completion of this course, the student will have learned about and gained manipulative skills related to the algebra of real numbers; solving and graphing equations and inequalities; polynomials; rational expressions and equations; quadratic equations; relations and functions; exponential and logarithmic functions; and solving applied problems.

Instructional Activities: The course is individual-paced. More specific information is included in the instructions.

Evaluation: In order to pass the course, the student must earn a grade of at least 80% on each of five unit tests and the midterm, and a grade of at least 60% on a comprehensive final. At the end of the semester, the six test scores and the final exam score (counted as two test scores) will be averaged together to obtain the course score. The final grade in the course will be based on the course score, with the grading scale as follows:

90 - 100	A
80 - 89	B
70 - 79	C
60 - 69	D
Below 60	F

Text: **Intermediate Algebra, 10th Edition**, by Marvin L. Bittinger

Calculator: A scientific calculator is recommended for this course. The TI-30X IIB is the recommended calculator for the course. See Marlene Chavez-Toivanen if you would like to borrow a calculator from the math department.

COURSE FORMAT: This is a course in which you move at your own pace within guidelines. Although no lectures are given, you may check out video-taped lectures from the library or view lectures on DVD in the math lab.

COURSE REQUIREMENTS: In order to earn a grade of A, B or C, you must complete all course requirements on schedule, including the final exam. If you do not complete the course in one semester, but are making satisfactory progress, you receive a grade of RR ("re-register" - no credit). See RR* below. You must pass each unit test in this course with a score of 80% or better before proceeding to the next unit. In order to receive a passing grade on an exam, you must show all your work, turning in scratch paper, if any. You may take each unit test as many times as necessary to pass it. After passing a unit test, you may re-take it for a higher grade if one of the following criteria has been met: (1) you passed it on or before the recommended test date, or (2) you passed it on the first attempt. If you do not achieve mastery on the first attempt, it is up to the instructor to determine when further attempts are allowed. Students testing outside of class will be required to produce a test slip signed by the instructor. Any unit test may be taken at the most once per day. The instructor may limit the number of units over which you may test in any given week. If you are not making minimum progress towards a grade of RR (i.e., not having passed at least two tests) by the deadline to withdraw, you may be dropped from the course by the instructor. If, by the end of the semester, you have not completed at least three unit tests and the midterm or withdrawn from the course, you will receive a grade of F.

ATTENDANCE: "Class attendance" means arriving when class is scheduled to begin, leaving when class is scheduled to end, and working on mathematics while present. You may be asked to sign in at the beginning and end of class.

HOMEWORK: Homework is essential and mandatory. In order to receive credit for completing homework, you must show all your work. If you complete, on average, about two sections a day, five days a week, you should be able to finish the course in one semester. Before taking each unit test, you **must** complete the required exercises as outlined and present them to your instructor for permission to take the unit test. Pencil must be used on all exams. There are no exceptions! Your instructor may assign additional homework at any time.

EVALUATION: In order to receive a grade of C or better in the course, you must pass all unit tests with a score of 80% or better, and you must pass the comprehensive final exam with a score of 60% or better. The final exam counts as two unit tests and may be taken no more than two times. If you take the final exam twice, the first attempt will count as one unit test and the second attempt as one unit test. The only exception will be the case in which the grade on the first attempt is the higher of the two; in that case, only the grade on the first attempt will be counted.

RR(RE-REGISTER) OPTION*: If you do not complete the course in one semester, but are making satisfactory progress, you receive a grade of RR ("re-register" - no credit). Then you must pay full tuition to re-enroll and complete the course the next semester immediately

following. **"Satisfactory progress"** as used to determine a grade of RR means: (1) You must have passed at least three unit tests and the Midterm with a minimum score of 80%; (2) You must have regular class attendance. Specifically, you must have no more than three unexcused absences. Satisfactory explanation for excused absences must be presented in a timely manner - beforehand, if possible. If, after earning a grade of RR one semester, you re-enroll yet fail to either complete the course or withdraw from it, you will receive a grade of F. When you re-register after earning a grade of RR, you must pass the Midterm by the designated deadline before taking further unit tests. Otherwise, you must start over with Unit One. You must finish the course the second semester, since you may not earn another grade of RR in MATH 120.

MATH 120 Testing Schedule**FALL 2006**

The following is a list of deadlines for each unit test.

Unit	MW	TTH
1 (Ch. 1)	9/6	9/7
2 (Ch. 2 & 3)	9/25	9/26
3 (Ch. 4 & 5)	10/18	10/19
Midterm	10/25	10/26
4 (Ch. 6 & 7)	11/15	11/16
5 (Ch. 8)	12/4	12/5
Final	12/11	12/12

Important Dates to Remember:

Labor Day Holiday-No Classes.....Monday, September 4
Fall Break-No Class.....Monday & Tuesday, October 9 & 10
Last day to drop a course with a "W".....Tuesday, October 17, 4:00 p.m.
Last day to Withdraw from the University.....Friday, November 17, 4:00 p.m.
Thanksgiving Holiday-No Classes.....Wednesday – Saturday, November 22-25

Schedule for students completing a RR in the 9th edition. Note: if you do not complete the RR this Fall 2006 semester you will receive a failing grade and need to start from the beginning in the 10th edition next semester.

Unit	MW	TTH
Midterm	9/6	9/7
4 (Ch. 6 & 7)	10/11	10/12
5 (Ch. 8 & 9)	11/27	11/28
Final	12/11	12/12

SYLLABUS ADDENDUM

- The instructor may modify this syllabus to meet the needs of a particular class.
- If you have, or believe you have, a disability and would benefit from any accommodation(s), you may wish to register with the Student Services Office on the first floor of Martinez Hall. All medical information will be treated confidentially. After you have registered, please make sure that I receive a copy of the accommodation memorandum from Student Services within the first two weeks of class. It will be the student's responsibility to inform the office of Student Services (in a timely manner) if services/accommodations provided are not meeting your needs. Feel free to call Ms. Irene Lutz, Campus Student Services Officer at 287-6629 with any questions about the Americans with Disabilities Act (ADA), and/or Section 504 of the Rehabilitation Act of 1973.
- If you have a condition that may affect your ability to exit safely from the premises in an emergency or that may cause an emergency during class, you are encouraged to discuss any concerns with Ms. Irene Lutz, Campus Student Services Officer at 287-6629.
- Any student found guilty of academic misconduct shall be subject to disciplinary action. Academic misconduct includes, but is not limited to, the following actions: cheating; helping other students cheat; plagiarism; unauthorized possession of examinations, reserve library materials or laboratory materials; unauthorized changing of grades on an examination, instructor's grade book or grade report; nondisclosure or misrepresentation in filling out applications or other college records. The following disciplinary actions and sanctions may be imposed for any of the above infractions of regulations: Disciplinary Probation, Disciplinary Suspension, Dismissal, and Expulsion. At the very least, academic misconduct may result in a failing grade in this class.
- Students are expected to attend regularly all classes for which they are registered. When the number of absences is excessive and hinders a student's progress, the instructor may recommend expulsion from the class. For a 15-week course, that means more than **three consecutive absences or five cumulative absences**. Based on the recommendation of the instructor, and with the concurrence of the Campus Instructional Officer and the Campus Student Services Officer, a student will be dropped for persistent absences or for persistent failure to complete class assignments. Similarly, a student may be dropped for behavior that interferes with the educational environment of the class. Any student who has been dropped has the right to appeal through the student Academic Grievance Policy (see Student Handbook).

MATH 120: Intermediate Algebra**Homework Exercises**

Text: *Intermediate Algebra*, 10th Edition, by Marvin L. Bittinger.

In order to learn mathematics, it is essential that you practice the skills as you learn them. You **must** complete all required exercises (those enclosed in a rectangle) before attempting a test. It is **strongly recommended** that you complete all the listed exercises in each section, particularly if you are having difficulties with the required exercises in that section. Be sure to check the answers to each odd-numbered exercise after working it. Be sure to show **all** your work!

Unit 1: Chapter 1 – Solving Linear Equations and Inequalities

- 1.1** 1, 2, 5, 6, 11, 13, 14, 15, 20, 23, 24, 25, 26, 31, 32, 35, 36, 37, 38, 41, 43, 45, 47, 48,
49, 53, 55, 56, 61, 62, 65, 66, 71, 73, 74, 77
- 1.2** 1, 2, 3, 5, 6, 7, 8, 9, 11, 13, 15, 17, 18, 20, 21, 33, 35, 36, 40, 41, 43
- 1.3** 1, 2, 5, 6, 7, 9, 10, 12, 13, 14, 15, 16, 17, 19, 20, 21, 22, 25, 26, 28, 29, 31, 32, 36,
39, 44
- 1.4** 1, 2, 3, 5, 6, 7, 10, 13, 14, 15, 16, 20, 25, 27, 28, 33, 34, 36, 41, 42, 46, 47, 48, 51,
52, 57, 71, 72, 73, 74, 76, 77, 78, 81, 84, 90, 91, 92
- 1.5** 1, 2, 3, 4, 8, 10, 11, 13, 14, 15, 17, 19, 20, 21, 23, 24, 25, 27, 28, 30, 33, 34, 37, 38,
39, 40, 42, 43, 45, 49, 50, 53, 59, 60, 61, 63, 65, 69, 70, 71
- 1.6** 1, 2, 5, 6, 9, 10, 13, 17, 18, 21, 25, 26, 27, 29, 31, 32, 33, 34, 37, 38, 39, 46, 49, 50,
53, 57, 58, 62, 63, 66, 109, 110, 111, 112, 113, 114, 115, 116

Practice Test: Pages 155 – 156: Problems 1 – 42 all

**Unit 2: Chapter 2- Graphs, Functions And Applications
Chapter 3- Systems of Equations**

- 2.1** 2, 3, 4, 5, 6, 8, 11, 12, 17, 18, 20, 27, 28, 29, 30, 33, 34, 41, 42, 43, 47, 48, 49, 50,
51, 59, 60
- 2.2** 1, 2, 5, 6, 7, 8, 11, 12, 13, 14, 15, 16, 18, 21, 23, 24, 25, 27, 28, 29, 30, 31, 32, 35,
36, 38, 42, 43, 45, 46, 50, 51, 53, 54, 55, 56, 57, 58, 59, 61, 62, 63, 67, 68, 69, 70,
71, 72, 73, 74
- 2.3** 1, 2, 5, 6, 8, 9, 10, 13, 14, 15, 17, 21, 25, 26, 29, 30, 37, 38, 39, 43, 44, 45, 46
- 2.4** 1, 2, 3, 5, 9, 10, 11, 17, 18, 19, 21, 22, 24, 27, 28, 29, 31, 32, 33, 34, 35, 39, 42

- 2.5 1, $\boxed{2}$, 5, $\boxed{6, 7, 12, 15}$, 17, $\boxed{18, 19}$, 21, $\boxed{22, 23, 25}$, 29, $\boxed{30, 31, 32, 33, 35}$, 36, $\boxed{39}$, 41, $\boxed{42}$,
43, $\boxed{44, 45}$, 47, $\boxed{49}$, 53, $\boxed{54, 55, 56, 59, 60, 63, 64}$
- 2.6 1, $\boxed{2, 3}$, 5, $\boxed{6, 7}$, 9, $\boxed{10, 11}$, 13, $\boxed{14, 15}$, 17, $\boxed{18}$, 21, $\boxed{22, 23}$, 25, $\boxed{26, 28}$, 29, $\boxed{30}$, 33, $\boxed{34}$, $\boxed{35}$,
 $\boxed{37}$, 39, $\boxed{40, 41, 45, 46, 47, 48, 49, 50, 57, 58, 59, 60}$
- 3.1 1, $\boxed{2, 3}$, 5, $\boxed{6, 7}$, 13, $\boxed{14, 15}$, 17, $\boxed{18, 21, 22, 23, 24, 25, 26, 29, 30, 32}$
- 3.2 1, $\boxed{2, 4}$, 5, 9, $\boxed{10, 15, 19, 20, 21, 22, 25, 27, 28}$
- 3.3 1, $\boxed{2, 3}$, 7, $\boxed{8}$, 11, $\boxed{15}$, 17, $\boxed{18, 20, 27, 28, 36, 38, 40}$
- 3.4 1, $\boxed{2, 3, 4}$, 5, $\boxed{6}$, 9, $\boxed{11, 12, 13}$, 15, $\boxed{17, 18}$, 19, 21, $\boxed{22, 23, 24}$, 25, $\boxed{26, 27}$, 29, $\boxed{30, 36}$, $\boxed{40}$,
 $\boxed{44}$
- 3.5 Omit
- 3.6 Vocabulary Reinforcement $\boxed{25, 26, 27, 28, 29, 30, 31, 32}$
- 3.7 1, $\boxed{2, 4}$, 5, $\boxed{6, 7, 8}$, 9, $\boxed{10, 11}$, 13, $\boxed{14}$, 15, $\boxed{16}$, 19, $\boxed{20, 21, 22, 25, 26, 27, 28, 29, 30, 50}$,
 $\boxed{56, 58}$
- 3.8 Omit

Practice Test: Chapter 2 – Pages 236 – 239 Problems $\boxed{1 - 35 \text{ all}}$

Practice Test: Chapter 3 – Pages 323 – 324 Problems $\boxed{1, 2, 3, 4, 5, 6, 7, 9, 10, 11, 16}$

<p>Unit 3: Chapter 4 – Polynomials and Polynomial Functions Chapter 5 – Rational Expressions, Equations, and Functions</p>
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- 4.1 1, $\boxed{2, 6}$, 7, $\boxed{8, 9}$, 11, 13, $\boxed{14, 16}$, 19, $\boxed{20, 24}$, 25, $\boxed{26}$, 27, $\boxed{28}$, 35, $\boxed{36, 39}$, 41, $\boxed{42, 46}$, 47,
 $\boxed{50, 55}$, 61, $\boxed{62}$, 65, $\boxed{66, 68}$, 69, $\boxed{72}$, 73, $\boxed{83, 88, 90}$
- 4.2 1, $\boxed{2}$, 5, $\boxed{6}$, 7, $\boxed{8}$, 11, $\boxed{12}$, 13, $\boxed{14, 16}$, 19, $\boxed{20, 23}$, 25, $\boxed{30}$, 31, 37, $\boxed{38, 43, 45}$, 49, 63, $\boxed{64}$,
 $\boxed{68}$, 69, $\boxed{70, 73}$, 75, $\boxed{76}$, 79, $\boxed{85, 95, 98, 100}$
- 4.3 1, $\boxed{2, 4}$, 7, $\boxed{8}$, 13, $\boxed{15}$, 19, $\boxed{20}$, 25, $\boxed{29}$, 31, $\boxed{32}$, 37, $\boxed{38, 41}$, 43, $\boxed{44}$, 47, $\boxed{48, 53, 57, 58}$, $\boxed{59}$,
 $\boxed{60, 61, 62, 63, 64}$
- 4.4 1, $\boxed{2, 3}$, 5, 7, $\boxed{8}$, 11, $\boxed{17, 18}$, 21, $\boxed{24}$, 25, $\boxed{26}$, 29, $\boxed{30, 35, 45, 46, 47, 48}$
- 4.5 1, $\boxed{2, 3}$, 4, $\boxed{5, 6}$, 7, $\boxed{8, 9, 15, 18}$, 21, $\boxed{22, 51, 60, 61, 62}$
- 4.6 1, $\boxed{2, 4}$, 7, $\boxed{8, 9}$, 13, $\boxed{14}$, 17, $\boxed{24}$, 25, $\boxed{28}$, 33, $\boxed{34, 36}$, 37, $\boxed{38, 39}$, 43, $\boxed{45, 46}$, 49, $\boxed{50}$, $\boxed{107}$,
 $\boxed{120}$
- 4.7 1, $\boxed{2, 4, 5}$, 7, $\boxed{8}$, 11, $\boxed{16}$, 29, $\boxed{34}$, 41, $\boxed{42, 43, 55, 57}$

4.8 1, $\boxed{2, 3}$, 7, $\boxed{8}$, 9, $\boxed{10}$, 13, $\boxed{14}$, 23, $\boxed{24}$, 27, 33, $\boxed{34, 35}$, 45, $\boxed{46, 48}$, 63, $\boxed{64}$, 65, $\boxed{66, 67, 68}$,
69, $\boxed{70}$, 71, $\boxed{72}$, 75, 77, $\boxed{78}$, 79, $\boxed{80, 88, 94, 96}$

5.1 1, $\boxed{2, 3}$, 5, $\boxed{6, 7}$, 13, $\boxed{14, 15}$, 17, $\boxed{18, 19}$, 21, $\boxed{22}$, 23, $\boxed{24}$, 25, 29, $\boxed{30, 31}$, 33, $\boxed{34, 35}$, 41,
 $\boxed{42, 43}$, 44, $\boxed{45, 46}$, 47, $\boxed{48}$, 51, $\boxed{52, 60, 62, 63, 64}$

5.2 1, $\boxed{2}$, 7, 9, $\boxed{10}$, 15, $\boxed{16}$, 18, $\boxed{19}$, 21, $\boxed{22, 23}$, 27, $\boxed{28}$, 31, $\boxed{32}$, 33, $\boxed{34}$, 35, $\boxed{36, 37}$, 43, $\boxed{44}$,
45, $\boxed{46}$, 47, 51, $\boxed{52, 55}$, 57, $\boxed{61, 63, 76, 78}$

5.3 1, $\boxed{2, 5}$, 7, $\boxed{8, 9}$, 11, $\boxed{12}$, 13, $\boxed{14, 17, 18, 40, 42, 48}$

5.4 Omit

5.5 1, $\boxed{2, 3}$, 5, $\boxed{6, 7}$, 9, $\boxed{10}$, 13, $\boxed{14, 15, 16}$, 17, 21, $\boxed{22}$, 25, $\boxed{26}$, 33, $\boxed{37}$, 41, $\boxed{42, 43, 52, 53}$, $\boxed{54}$

5.6 $\boxed{11, 12}$, 13, $\boxed{14}$, 15, $\boxed{16}$, 17, $\boxed{18}$, 19, $\boxed{20}$, 23, $\boxed{24, 25}$, 26, 27, $\boxed{28, 29, 31, 32, 33, 34}$

5.7 1, $\boxed{2, 3}$, 5, $\boxed{6}$, 7, $\boxed{9, 11}$, 13, $\boxed{14}$, 19, $\boxed{20, 29, 30, 34}$

5.8 1, $\boxed{2, 3}$, 7, $\boxed{8, 9, 11}$, 13, $\boxed{14}$, 15, $\boxed{16, 17}$, 21, $\boxed{22, 25, 26}$, 29, $\boxed{30}$, 31, 33, $\boxed{35, 36, 39, 40}$,
41, $\boxed{42, 44, 49, 50, 51, 52, 53, 54, 55, 56}$

Practice Test: Chapter 4 – Pages 405 – 406 $\boxed{\text{Problems 1 – 40 omit \#24, \#31, \# 36, \#39}}$

Practice Test: Chapter 5 – Pages 493 – 494 $\boxed{\text{Problems 1 – 33 omit \#4, \#13, \#15, \#16,}}$
 $\boxed{\#17, \#18, \#24}$

Midterm:

In order to prepare for the midterm, it is strongly recommended that you complete the following:

1. **Cumulative Review: Chapter 1 - 4, Pages 407 - 410, Problems 1 – 60, omitting the following problems: 18, 21, 24, 35, 36, 48, 49, 54.**
2. **Summary and Review: Chapter 5, Pages 491 - 492, Problems 1 – 39, omitting the following problems: 4, 9, 11, 18, 19, 20, 21, 22, 23, 27, 30**

Unit 4: Chapter 6 – Radical Expressions, Equations, and Functions
Chapter 7 – Quadratic Equations and Functions

6.1 1, 2, 3, 7, 8, 9, 11, 12, 15, 16, 17, 19, 20, 23, 26, 29, 30, 35, 36, 37, 43, 44, 45, 47, 48, 51, 52, 53, 55, 56, 59, 60, 63, 64, 65, 67, 69, 70, 71, 73, 74, 76, 84, 88, 92

6.2 Omit

6.3 1, 2, 3, 5, 6, 7, 9, 10, 11, 13, 14, 15, 16, 21, 22, 23, 25, 26, 27, 29, 30, 33, 37, 51, 52, 53, 55, 59, 60, 62, 71, 72, 73, 75, 76, 77, 79, 80, 81, 83, 91, 92, 94

6.4 1, 2, 3, 7, 8, 9, 10, 11, 13, 14, 15, 17, 20, 37, 38, 43, 45, 46, 48, 49, 50, 55, 56, 61, 62, 65, 69, 73, 74, 79, 80, 87

6.5 1, 2, 3, 5, 6, 9, 10, 13, 14, 21, 22, 23, 25, 27, 28, 32, 35, 38

6.6 1, 2, 3, 5, 6, 9, 10, 13, 14, 19, 20, 21, 22, 23, 29, 30, 31, 32, 34, 45, 46, 47, 48, 50, 51, 53, 54, 55, 56, 57, 58, 63, 64, 69

6.7 1, 2, 3, 5, 6, 7, 13, 14, 17, 18, 21, 22, 23, 24, 27, 28, 29, 30, 36, 38, 40

6.8 Vocabulary Reinforcement 101, 102, 103, 104, 105, 106, 107, 108

7.1 1, 2, 7, 8, 9, 10, 11, 12, 15, 16, 19, 20, 21, 55, 56, 57, 58, 59, 68, 69, 72

7.2 1, 2, 3, 9, 10, 13, 14, 19, 20, 21, 22, 23, 27, 28, 37, 38, 42, 48, 49, 54

7.3 1, 2, 3, 4, 5, 6, 9, 10, 11, 12, 13, 15, 16, 20, 21, 22, 23, 25, 26, 27, 29, 30, 31, 32, 34, 35, 36, 37, 38, 43, 44, 51, 52, 54

7.4 Omit

7.5 Omit

7.6 1, 2, 3, 4, 5, 7, 8, 9, 12, 13, 14, 15, 16, 21, 23, 24

7.7 Vocabulary Reinforcement Problems 37, 38, 39, 40, 41, 42, 43, 44

7.8 Omit

Practice Test: Chapter 6 Pages 568 – 569 Problems 1 – 8 all; 21 – 40 all

Practice Test: Chapter 7 Pages 663 – 664 Problems 1, 2, 3, 4, 6, 7, 9, 10, 12, 15, 16, 17, 18

Unit 5: Chapter 8 – Exponential and Logarithmic Functions

- 8.1 1, $\boxed{2, 3}$, 5, $\boxed{6}$, 9, $\boxed{10}$, 13, $\boxed{14, 15}$, 19, $\boxed{20, 25}$, 27, $\boxed{28, 29, 30}$, 31, $\boxed{38, 40, 44}$
- 8.2 $\boxed{1, 3}$, 5, $\boxed{6, 7, 9, 11}$, 13, $\boxed{14}$, 17, $\boxed{18, 21}$, 25, $\boxed{26}$, 29, $\boxed{30, 31}$, 33, $\boxed{34, 35}$, 37, $\boxed{38}$
- 8.3 1, $\boxed{2, 3}$, 5, $\boxed{6}$, 7, $\boxed{8, 9}$, 11, $\boxed{12, 13}$, 15, $\boxed{16, 19}$, 23, $\boxed{24, 25}$, 27, $\boxed{28}$, 31, $\boxed{32, 33}$, 35, $\boxed{36, 37}$, 39, $\boxed{40}$, 43, $\boxed{44, 46}$, 47, $\boxed{48}$, 51, $\boxed{52}$, 55, $\boxed{56, 57}$, 59, $\boxed{60}$, 63, $\boxed{67, 68}$, 71, $\boxed{72, 75, 76}$, $\boxed{84}$, $\boxed{85, 87, 88}$
- 8.4 $\boxed{11, 12, 13, 15, 16, 47, 48, 49, 51, 52, 53}$
- 8.5 1, $\boxed{2, 3}$, 7, $\boxed{8, 9, 11}$, 12, $\boxed{13, 15}$, 16, 17, $\boxed{19, 22}$, 25, $\boxed{26, 27, 29}$, 31, $\boxed{32}$, 37, $\boxed{38, 40}$, 41, $\boxed{43, 45}$, 49, 51, $\boxed{52}$
- 8.6 1, $\boxed{2, 3, 5}$, 6, 9, $\boxed{10, 13}$, 15, $\boxed{19, 20, 21}$, 23, $\boxed{29, 30, 31}$, 33, $\boxed{34, 38, 40, 41}$
- 8.7 1, $\boxed{2, 3, 4}$, 5, $\boxed{6, 7, 8}$, 9, $\boxed{10, 11}$, 13, $\boxed{14, 15, 16}$, 17, $\boxed{18}$, 19, $\boxed{20, 22}$, 23, $\boxed{24}$, 25, $\boxed{26}$, 27, $\boxed{28, 31, 32, 34}$

Practice Test: Chapter 8 Pages 750 – 752 Problems 1 – 16 all, 21 – 29 all, 32 – 36 all

Final Examination:

In order to prepare for the final exam, it is strongly recommended that you work the following exercises in the Cumulative Review/Final Examination in the text beginning on page 803:

1, 2, 3, 4, 5, 7, 8, 10, 11, 12, 12, 16, 19, 20, 23, 24, 25, 26, 27, 28, 30, 32, 33, 34, 38, 39, 40, 42, 45, 46, 47, 48, 49, 50, 51, 53, 54, 55, 56, 58, 59, 60, 61, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 76, 77, 78, 80, 81, 85, 86, 87