## Math 1215: Intermediate Algebra (Dual Credit)



Fall 2022 Asynchronous/Online 3 credit hours

## Instructor: Andy Taylor: ataylor19@unm.edu

Tutoring Hours:

Mon/Wed: Valencia Workforce Training Center Lobby/Library, 1:15pm-2:30pm Mon/Wed: Zoom (Dual Credit, 3-4pm): <u>https://unm.zoom.us/j/98190874379</u> Tues/Thurs: Learning Center/Math Center, Valencia Campus, 1:30pm-2:45pm OR BY APPOINTMENT

MECS Division Chair: Ariel Ramirez: aramirez8@unm.edu

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## **COURSE DESCRIPTION**

Math 1215-550/553: Intermediate Algebra (Dual Credit)

Class Meetings: Asynchronous. No class meetings.

Location: Online through Canvas

This course is a study of linear and quadratic functions, and an introduction to polynomial, absolute value, rational, radical, exponential, and logarithmic functions. Development of strategies for solving single variable equations and contextual problems. (3 Credit Hours).

## **Student Learning Outcomes/Course Objectives**

In this course, we will explore linear functions, systems of linear equations, linear inequalities, polynomials and factoring, rational functions, and radical functions, and we will introduce exponential and logarithmic functions.

Upon successful completion of the course, students will be able to:

- A. Demonstrate appropriate use of basic function language and notation.
  - 1. Communicate or present mathematical concepts using correct mathematical notation and terminology.
  - 2. Correctly use function notation and vocabulary related to functions.
  - 3. Determine function values for given domain values and determine domain values for given function values.
  - 4. Determine domains for specific functions.
- B. Convert between equivalent forms of algebraic expressions.
  - 1. Simplify expressions using properties of exponents.
    - 2. Add, subtract, and multiply polynomials.
    - 3. Rewrite line equations in different forms (slope-intercept, point-slope, standard)
    - 4. Factor some types of polynomials.
    - 5. Simplify radical expressions.
    - 6. Simplify rational expressions.
    - 7. Rewrite exponential functions in logarithmic form and vice versa.
- C. Solve single-variable equations of the types listed above.
  - 1. Solve for a single variable in a proportion.

- 2. Solve for a single variable in a linear equation.
- 3. Solve for a specified variable in a formula.
- 4. Solve quadratic equations using factoring, quadratic formula, and the square root method.
- 5. Solve equations containing rational expressions.
- 6. Solve equations containing radical expressions.
- 7. Solve absolute value equations in one variable.
- 8. Solve exponential and logarithmic equations using equating bases.
- D. Interpret and communicate algebraic solutions graphically and numerically.
  - 1. Determine equations for lines in the three forms slope-intercept and point-slope.
  - 2. Sketch the graphs of linear functions.
  - 3. Interpret slope in relation to variable coefficients and as a rate of change.
  - 4. Graph linear inequalities in one variable on a number line and write corresponding interval notation.
  - 5. Determine when linear equations represent parallel and perpendicular lines.
  - 6. Sketch graphs of quadratic functions.
- E. Demonstrate contextual problem-solving skills that include setting up and solving problems and interpreting solutions in context.
  - 1. Determine linear equations from application problems and solve them.
  - 2. Set up a linear proportion from an application problem and solve it.
  - 3. Analyze solutions to application problems and give them contextual meaning.
  - 4. Determine the three types of outcomes from a system of linear equations in the context of what the graphs look like (terminology about consistent/inconsistent or dependent/independent not emphasized)
  - 5. Determine a system of linear equations from an application problem and solve it if possible.
- F. Apply appropriate problem-solving methods from among algebraic, graphical, and numerical.
  - 1. Perform unit conversions.
  - 2. Solve linear inequalities in one variable.
  - 3. Simplify expressions written in scientific notation.
  - 4. Simplify multiplication and division problems using scientific notation.
  - 5. Apply solution methods learned to application problems.
  - 6. Solve systems of two linear equations graphically and algebraically.
  - 7. Perform operations with radical expressions.
  - 8. Perform operations with rational expressions.
  - 9. Solve absolute value inequalities in one variable.

## Completing Math 1215 meets the prerequisites for Math 1130, Math 1350, Math 1220, and some science classes.

#### **Prerequisites and Co-requisites**

Appropriate placement score or a grade of C or better in Math 100 or Math 022 or ACT Math =>18 or SAT Math Section =>490 or ACCUPLACER Next-Generation Advanced Algebra and Functions =228-238, QRAS=253-300, Arithmetic=276-300 or B+ in Alg II and/or B- or B in Statistics or CRM and/or C or lower in Pre-calculus, Trigonometry, Calculus. Check with your adviser to make sure you meet the requirements.

## **TECHNICAL SKILLS**

To participate and succeed in this class, you will need to be able to perform the following basic technical tasks:

- Use UNM Canvas.
- Use email including attaching files, opening files, downloading attachments
- Copy and paste within applications including Microsoft Office
- Open a hyperlink (click on a hyperlink to access a website or online resource)

## **TECHNICAL REQUIREMENTS**

## Computer

- A high-speed Internet connection is highly recommended.
- Supported browsers include Chrome, Firefox, or Safari. Preferred operating systems are Windows or Apple.
- Any computer capable of running a recently updated web browser should be sufficient to access your online course. However, bear in mind that processor speed, amount of RAM, and Internet connection speed can *greatly* affect performance. *Be aware, some programs that use mathematics will not work well on mobile devices such as smartphones or tablets.*
- Microsoft Office products are available free for all UNM students (more information on the UNM IT Software Distribution and Downloads page<sup>1</sup>)
- Please update your contact information in Loboweb: <u>MyUNM Login<sup>2</sup></u>. When you log into MyUNM, Enter LoboWeb. Click on the Personal Information link to make sure your contact information is up to date.
- Laptops may be available for checkout for the Fall semester from the <u>UNM-Valencia</u> <u>Library<sup>3</sup></u>. Contact the librarians for more information.

## Web Conferencing

Web conferencing may be used in this course for scheduled individual meetings. For the online sessions, you will need:

- A USB headset with a microphone. Headsets are widely available at stores that sell electronics, at the UNM Bookstore or online.
- A high-speed internet connection is highly recommended for these sessions. A wireless Internet connection may be used if successfully tested for audio quality before web conferencing.
- You should also dress as you would when attending an in-person meeting, even if you do not turn on your video camera

## **Technical Support**

- For UNM Learn Technical Support: (505) 277-0857 (24/7) or use the "Create a Tech Support Ticket" link in your course.
- For UNM-Valencia IT Support: (505) 925-8911
- For UNM Web Conference Technical Help: (505) 277-0857

## TEXTBOOK AND SUPPLEMENTAL MATERIALS

## **Required Textbooks:**

"Developmental Mathematics," 2nd edition, by Sullivan, Struve, Mazzarella.

<sup>&</sup>lt;sup>1</sup> <u>http://it.unm.edu/software/index.html</u>

<sup>&</sup>lt;sup>2</sup> <u>http://my.unm.edu/home</u>

<sup>&</sup>lt;sup>3</sup> <u>http://valencia.unm.edu/library/index.html</u>

<u>Required:</u> Appropriate MyMathLab (MML) access code (do not purchase a generic code, in this case, the code is book specific). You may purchase the 18-week access code for a lower price, but you *cannot* upgrade to the lifetime code once you purchase the restricted one.

## **Recommended and/or Optional:**

<u>Optional:</u> You may "upgrade" your access by purchasing a hardcopy of the book directly from Pearson for an additional cost (between \$50 and \$60 before tax). There will be copies of the book on reserve for use in the library (you will not be able to take the book from the library home).

### **Specific Course Requirements**

Pearson account. If you have used any of the Pearson My Lab products before, you can use the same account you created the first time you used it. Otherwise, you can create an account when you register in MyMathLab (MML) for this class. Register by going to <u>mymathlab.com</u>.

## **COURSEWORK AND PARTICIPATION**

#### Instructor Response Time

I routinely check the course for postings or emails, Monday (8 am) – Friday (noon), and sometimes on the weekend. You can anticipate a 24 to 48-hour response from me, Monday – Thursday. I will try and respond to all weekend (Friday afternoon to Sunday) emails and postings by noon on Monday or earlier.

## Late/Missing Work:

- Please let me know at least 24 hours in advance via UNM email if you anticipate a late submission for a homework assignment or project. Late work may be accepted in the case of an emergency or other extenuating circumstances. If you have a medical excuse for a late submission, please submit a copy of a doctor's note.
- Exams must be completed on time.
- All written work needs to be submitted on time in Canvas according to the due date indicated on the Canvas dropbox.

## **Expectations for Participation**

- The time recommended for success in this course is 9-12 hrs per week
- Students are expected to learn how to navigate in UNM Canvas and check Canvas course regularly (daily/multiple times per week).
- Students are expected to keep abreast of course announcements.
- Students are expected to keep the instructor informed of class-related problems or problems that may prevent the student from full participation.

- Students should know that the secret phrase is, "I can do this."
- Students are expected to address technical problems immediately.

#### Netiquette

One of the overriding principles in online conversations is to "craft your responses effectively." It is sometimes difficult to remember that real people are reading posted messages. This is especially true of online communication where others do not have the opportunity to see body language or hear the tone of voice; therefore, misunderstandings are more likely.

Please, follow these guidelines in **all** of your online responses and discussion postings.

- Honor everyone's right to an opinion.
- Respect the right of each person to disagree with others.
- Respond honestly but thoughtfully and respectfully; use language that others will not consider foul or abusive. You may also use emoticons to convey a lighter tone.
- Respect your privacy and the privacy of others by not revealing information which you deem private and which you feel might embarrass you or others
- Be prepared to clarify statements that might be misunderstood or misinterpreted by others.

#### A Special Note about Anger

- Do not send messages that you have written when you are angry, even anonymous ones. In the online world, angry messages are known as "flaming" and are considered bad behavior. Venting and flaming are two different things. It is possible to vent without becoming "ugly." Stick to the facts of what is causing you frustration.
- Do not send messages that are written all in upper case; this is the visual equivalent of SHOUTING. It is considered aggressive and is considered bad behavior. If you ever feel like shouting a message, take a deep breath, and wait until you have calmed down before responding. Then, respond calmly and factually.

#### How to complete your work for this class:

The course topics are split into 13 units. Below is how you will progress through the material, and how your grade will be determined:

Attendance: Your attendance in your high school class represents 5% of your grade.

**High School Homework:** The homework assigned to you by your high school teacher will represent 15% of your grade. You will submit this to your high school teacher.

**Written Homework:** Each unit will have a separate written homework that you will submit to me, roughly each week, via dropboxes in Canvas. The purpose of the written homework is to determine if you are understanding the concepts correctly. Illegible homework will not be graded. Your score on each will be out of **20 points.** Written Assignments are worth 20% of your overall course grade.

**Projects:** <u>Projects are required</u>! During the semester, projects for each of the 13 units will be assigned and submitted via dropboxes in Canvas. You can work with each other on these

projects, but you must submit YOUR work. Your score on each will be out of **20 points.** The projects are worth 20% of your overall course grade.

**Midterm Exams:** There will be two exams during the semester (not including the final). You will be given a formula sheet for the exam and you can use a calculator. You can NOT use your phone for a calculator. The average of the two exams is worth 20% of the overall course grade.

**Final Exam:** The final is a departmental exam given at the end of the semester that will test you over all, or nearly all, of the learning objectives for this course. You will be given a formula sheet for the final and you can use a calculator. You are allowed to take the final *only once*. The final exam will be 20% of your overall course grade and you must receive a 70% or better to pass the course and move on.

### **Submitting Assignments**

All written work is to be submitted in class on the day indicated on the work schedule. Please make sure your work is neat, organized and orderly, with problems presented in the order in which they are listed.

## **GRADING PROCEDURES**

- Grades in specific content areas reflect mastery of student learning objectives. Grading of written homework, projects, and exams will take into account proper notation, demonstrated knowledge of problem-solving procedures, showing ALL steps/ calculations and legibility.
- My expected response time for grading your written work will generally range from 3 to 7 days. Sometimes it might be shorter than 3 days but shouldn't be longer than 7 days. Grades for work completed in MML should be immediately available upon completion of the assignment.

## COURSE AVERAGES:

Total	100%
Cumulative Final Exam*	20%
Term Exam (2)	20%
Projects (3)	20%
Written Homework	20%
High School Homework	15%
Attendance/Class Participation	5%

\*You must score at least a 70% on the final exam *and* have a course average of 70% or better to earn a passing grade in the course.

Letter Grade	Final Exam score AND Course Weighted Average
Α	70% or better AND 90% or better
В	70% or better <b>AND</b> 80% to 89%
С	70% or better <b>AND</b> 70% to 79%
CR	70% or better AND 70% or better
NC	Any AND 69% or less

### **Drop Policy:**

I reserve the right, but not the obligation to drop you from the course should you not meet these course participation requirements:

- If you are not completing assignments by the end of the second week you are in the class. If you have any questions about what is required of you for this course, please contact me as soon as possible so I can help!
- If you miss three or more assignments in the first 6 weeks, or 3+ weeks of assignments in a row, at any point throughout the semester without communicating with me.

I understand that life happens – all I ask is for you to keep regular communication with me, and you will not be dropped unless you choose to be.

# FOR MATERIAL/ASSIGNMENT SCHEDULE AND WRITTEN ASSIGNMENT PROBLEMS, PLEASE CHECK LAST PAGES, FOLLOWING UNM POLICIES.

## **UNM POLICIES**

**COVID-19 Health and Awareness:** UNM is a mask friendly, but not a mask required, community. To be registered or employed at UNM, Students, faculty, and staff must all meet UNM's <u>Administrative Mandate on</u> <u>Required COVID-19 vaccination</u>. If you are experiencing COVID-19 symptoms, please do not come to class. If you have a positive COVID-19 test, please stay home for five days and isolate yourself from others, per the <u>Centers for Disease Control (CDC) guidelines</u>. If you do need to stay home, please communicate with me via email (<u>emailaddress@unm.edu</u>) or Canvas course messaging; I can work with you to provide alternatives for course participation and completion. UNM faculty and staff know that these are challenging times. Please let us know that you need support so that we can connect you to the right resources and please be aware that UNM will publish information on websites and email about any changes to our public health status and community response.

#### Support:

<u>Student Health and Counseling</u> (SHAC) at (505) 277-3136. If you are having active respiratory symptoms (e.g., fever, cough, sore throat, etc.) AND need testing for COVID-19; OR If you recently tested positive and may need oral treatment, call SHAC.

<u>LoboRESPECT Advocacy Center</u> (505) 277-2911 can offer help with contacting faculty and managing challenges that impact your UNM experience.

**Accommodations:** UNM is committed to providing courses that are inclusive and accessible for all participants. As your instructor, it is my objective to facilitate an accessible classroom setting, in which students have full access and opportunity. If you are experiencing physical or academic barriers, or concerns related to mental health, physical health and/or COVID-19, please consult with me after class, via email/phone or during office/drop-in hours (I am not legally permitted to inquire about the need for accommodations). We can meet your needs in collaboration with <u>UNM Valencia Campus community</u> (505) 925-8910 and/or the Accessibility Resource Center (<u>https://arc.unm.edu/</u>) at arcsrvs@unm.edu or by phone (505) 277-3506.

Support: Contact me via email (emailaddress@unm.edu) or Canvas messaging or in office/drop-in hours.

**Credit-hour Statement:** This is a three credit-hour course. Class meets for two 75-minute sessions of direct instruction for sixteen weeks during the Fall 2022 semester. Please plan for a minimum of six hours of out-of-class work (or homework, study, assignment completion, and class preparation) each week.

#### Support:

#### UNM Valencia Learning Commons (tutoring).

<u>Center for Academic Program Support</u> (CAPS). Many students have found that time management workshops can help them meet their goals (consult (CAPS) website under "services").

**Title IX:** Our classroom and our university should always be spaces of mutual respect, kindness, and support, without fear of discrimination, harassment, or violence. Should you ever need assistance or have concerns about incidents that violate this principle, please access the resources available to you on campus. Please note that, because UNM faculty, TAs, and Gas are considered "responsible employees" by the Department of Education, any disclosure of gender discrimination (including sexual harassment, sexual misconduct, and sexual violence) made to a faculty member, TA, or GA must be reported by that faculty member, TA, or GA to the university's Title IX coordinator. For more information on the campus policy regarding sexual misconduct, please see: <a href="https://policy.unm.edu/university-policies/2000/2740.html">https://policy.unm.edu/university-policies/2000/2740.html</a>.

Support: <u>LoboRESPECT Advocacy Center</u> and the support services listed on its website, the <u>Women's Resource</u> <u>Center</u> and the <u>LGBTQ Resource Center</u> all offer confidential services and reporting.

**Land Acknowledgement:** Founded in 1889, the University of New Mexico sits on the traditional homelands of the Pueblo of Sandia. The original peoples of New Mexico Pueblo, Navajo, and Apache since time immemorial, have deep connections to the land and have made significant contributions to the broader community statewide. We honor the land itself and those who remain stewards of this land throughout the generations and also acknowledge our committed relationship to Indigenous peoples. We gratefully recognize our history.

Resource: Division for Equity and Inclusion.

**Citizenship and/or Immigration Status:** All students are welcome in this class regardless of citizenship, residency, or immigration status. Your professor will respect your privacy if you choose to disclose your status. As for all students in the class, family emergency-related absences are normally excused with reasonable notice to the professor, as noted in the attendance guidelines above. UNM as an institution has made a core commitment to the success of all our students, including members of our undocumented community. The Administration's welcome is found on our website: <a href="http://undocumented.unm.edu/">http://undocumented.unm.edu/</a>.

**Respectful and Responsible Learning:** We all have shared responsibility for ensuring that learning occurs safely and equitably. UNM has important policies to preserve and protect the academic community, especially policies on student grievances (Faculty Handbook D175 and D176), academic dishonesty (FH D100), and respectful campus (FH CO9). These are in the *Student Pathfinder* (https://pathfinder.unm.edu) and the *Faculty Handbook* (https://handbook.unm.edu). Please ask for help in understanding and avoiding plagiarism or academic dishonesty, which can both have very serious consequences.

Support: <u>Center for Academic Program Support</u> (CAPS). Many students have found that time management workshops can help them meet their goals (consult (CAPS) website under "services").

**Connecting to Campus and Finding Support:** UNM-Valencia has many resources and centers to help you thrive, <u>including opportunities to get involved</u>, <u>mental health resources</u>, <u>academic support including tutoring</u>, <u>resource centers</u>, free food at <u>Valencia Campus Food Pantry</u>, and <u>jobs on campus</u>. Your advisor, staff at the resource centers and I can help you find the right opportunities for you.

UNM Policies: This course falls under all UNM policies for the last day to drop courses, etc. Please see or the UNM Course Catalog for information on UNM services and policies. Please see the UNM academic calendar for course dates, the last day to drop courses without penalty, and for financial disenrollment dates.

## **UNM RESOURCES**

- <u>UNM Valencia Campus Tutoring Services</u>
  <u>4</u>
- UNM Main Campus CAPS Tutoring Services<sup>5</sup>
- <u>UNM-Valencia Library<sup>6</sup></u>
- UNM Libraries<sup>7</sup>
- "Life" Resources available to UNM-Valencia Students<sup>8</sup>
- Student Health & Counseling (SHAC) Online Services<sup>9</sup>

## FOR MILITARY-CONNECTED STUDENTS

There are resources on campus designed to help you succeed. You can approach any faculty or staff for help with any issues you may encounter. Many faculty and staff have completed the GREEN ZONE training to learn about the unique challenges facing military-connected students. If you feel that you need help beyond what faculty and/or staff can give you, please reach out to the Veterans Resource Center on the main campus at 505-277-3181, or by email at <a href="https://www.vrc@unm.edu">vrc@unm.edu</a>. The Veterans Coordinator at UNM-Valencia is in the Student Services Office, at 505-925-8560.

## SEMESTER DEADLINES

## Fall 2022 – 16-week classes (deadlines will be different for first and second 8-week classes)

- Monday, August 22: First day of class, classes available in Canvas.
- Friday, September 2, by 5:00 PM: Last day to add a class or to change credit hours or grade mode in LoboWEB.
- Monday, September 5: LABOR DAY HOLIDAY (NO CLASS)
- Friday, September 9: Last day to drop without "W" grade and with 100% refund on LoboWEB
- Thursday-Friday, October 13-14: FALL BREAK (NO CLASS)
- Friday, November 11: Last day to drop *without* Dean's permission on LoboWEB. Will receive a "W" grade and will be responsible for tuition for the course.

<sup>&</sup>lt;sup>4</sup> <u>http://valencia.unm.edu/campus-resources/the-learning-center/learning-center.html</u>

<sup>&</sup>lt;sup>5</sup> <u>http://caps.unm.edu/services/online-tutoring/olc.php</u>

<sup>&</sup>lt;sup>6</sup> <u>http://valencia.unm.edu/library/index.html</u>

<sup>&</sup>lt;sup>7</sup> <u>https://library.unm.edu/</u>

<sup>&</sup>lt;sup>8</sup> <u>http://valencia.unm.edu/students/student-resources.html</u>

<sup>&</sup>lt;sup>9</sup> <u>https://shac.unm.edu/</u>

- Thursday-Friday, November 24-25: THANKSGIVING BREAK (NO CLASS)
- Friday, December 4: Last day to add sections and/or change credit hours with form, last day to drop *with* Dean's permission. Will receive a "W" grade and will be responsible for tuition for the course (required form: http://registrar.unm.edu/forms/enrlauth-latedrop-e41b.pdf)
- December 12-17: Finals week.

## Fall 2022 Material Schedule

*Please note, this schedule is tentative and subject to change, as needed, by instructor* In general:

Note: (1) Written HW due by Unit on Mondays, 5:00pm in the Canvas dropbox.

Note: (2) **Projects due by Unit on Wednesdays**, 5:00pm in the Canvas dropbox.

Note: (3) Midterm Exams will be given in your high school class during the weeks of September 26, November 2 Note: (4) Final Exam will be given in your high school class during the week of December 12

	22-Aug	Week 1	Unit 1	8.3, 8.4
	8		0	8.6, 8.8, 9.1, 9.2
				Written HW Unit 1: Due Monday
				Project Unit 1: Due Wednesday
	29-Aug	Week 2	Unit 2/3	
				9.3, 9.4, 9.5
				Written HW Unit 2: Due Wednesday
				Project Unit 2: Due Wednesday
Labor Day	5-Sep	Week 3	Unit 3	
				9.6, 10.1
				Written HW Unit 3: Due Monday
				Project Unit 3: Due Wednesday
	12-Sep	Week 4	Unit 4	
				10.2, 10.3
				Written HW Unit 4: Due Monday
	10.500	Mook F	Unit 5	Project Unit 4: Due Wednesday
	19-Sep	Week 5	Unit 5	Deview and Middama
				Review and Midterm *Midterm to be given around Wednesday, Sep 28*
	26-Sep	Week 6	Midterm 1	indicerni to be given around wednesday, sep 28
	20 300	WCCKO	Widterin I	11.1, 11.2, 11.3, 11.4, 11.6
				Written HW Unit 5: Due Monday
				Project Unit 5: Due Wednesday
	3-Oct	Week 7	Unit 6	
		-		12.1, 12.2, 12.3
				Written HW Unit 6: Due Monday
				Project Unit 6: Due Wednesday
	10-Oct	Week 8	Unit 7	
				14.1, 14.2, 14.3, 14.4
				Written HW Unit 7: Due Monday
				Project Unit 7: Due Wednesday
Fall break	17-Oct	Week 9	Unit 8	
				15.1, 12.6
	24-Oct	Week 10	Unit 9	Written HW Unit 8: Due Monday

				Project Unit 8: Due Wednesday
				Review and Midterm
	31-Oct	Week 11	Midterm 2	*Midterm 2 to be given Wednesday, Nov 2*
				13.1, 13.2, 13.3
				Written HW Unit 9: Due Monday
				Project Unit 9: Due Wednesday
	7-Nov	Week 12	Unit 10	
				13.5, 13.7, 14.7
				Written HW Unit 10: Due Monday
				Project Unit 10: Due Wednesday
	14-Nov	Week 13	Unit 11	
				15.2, 15.3, 15.4, 15.8
				Written HW Unit 11: Due Monday
				Project Unit 11: Due Wednesday
Thanksgiving	21-Nov	Week 14	Unit 12	
				17.2, 17.3
				Written HW Unit 12: Due Monday
				Project Unit 12: Due Wednesday
	28-Nov	Week 15	Unit 13	
				Review, Review, Review!!
				Written HW Unit 13: Due Monday
			Final	Project Unit 13: Due Wednesday
	5-Dec	Week 16	Review	
		Finals		
	12-Dec	week		Final Exam: Wednesday, 12-2pm

Written Assignment Problems: (These problems constitute your written homework – due dates indicated by "Written HW Unit \_ due" on Material schedule)

Unit	Written Homework Problems
1	Sect. 8.3: (pg. 556) #105, pg. 557 #113
	Sect. 8.4: (pg. 566) #55, pg. 567 #73, 83
2	Sect. 8.6: (pg. 586) #43, pg. 587 #54
	Sect. 8.8: (pg. 608) #91, pg. 609 #119
3	Sect. 9.1: (pg. 630) #65 a-d
	Sect. 9.2: (pg. 644) #123
	Sect. 9.4: (pg. 663) #95 a and b
	Sect. 9.5: (pg. 671) #71
4	Sect. 9.6: (pg. 679) #71, 87
	Sect. 10.1: (pg. 708) #71, (pg. 709) #89
5	Sect. 10.2: (pg. 716) #53, (pg. 717) 56
	Sect. 10.3: (pg. 725) #69, 71
6	Sect. 11.1: (pg. 767) #121
	Sect. 11.2: (pg. 772) #79
	Sect. 11.3: (pg. 783) #139
	Sect. 11.4: (pg. 795) #105
	Sect. 11.6: (pg. 809) #92
7	Sect. 12.1: (pg. 826) #87
	Sect. 12.2: (pg. 835) #94, 95
	Sect. 12.3: (pg. 845) #75, 77
8	Sect. 14.1: (pg. 981) #66
	Sect. 14.2: (pg. 987) #55
	Sect. 14.3: (pg. 997) #55, 57
	Sect. 14.4: (pg. 1007) #37
9	Sect. 15.1: (pg. 1070) #75

	Sect. 12.6: (pg. 866) #79
	Sect. 16.2: (pg. 1164) #87
	Sect. 16.5: (pg. 1198) #75
10	Sect. 13.1: (pg. 890) #91
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