

Rio Hondo College
Math 70 : Intermediate Algebra
Fall, 2014

Prerequisite: Math 50, Elementary Algebra with a grade of “C” or better.

Meeting Time: Monday through Thursday 7:30 AM -8:40 AM

Classroom: SC 226

CRN: 71051

Instructor: George Wang

Office Hours:

Monday through Thursday: 7:00 AM to 7:30 AM

Tuesday and Thursday: 1:35 PM to 2:35 PM, and by appointment.

Office: Science 320Q

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Website: faculty.riohondo.edu/gwang

Text: “ Intermediate Algebra” , Aufmann/Lockwood, 8-th edition.
Cengage Learning, 2013 ISBN: 978-1-111-57949-4

Required material:

Access to WebAssign. A scientific calculator or a graphing calculator(TI83/84).

◆ *You are not allowed to use cell phone or other electronic devices as a calculator for quizzes or tests.*

Objective :

This course is designed for students who have completed an elementary algebra course and need to complete an additional course in algebra before proceeding to a college level transferable course. We will study linear and quadratic functions and inequalities, system of linear equations and inequalities, polynomials, rational functions, rational exponents and radicals, relations and functions, exponential and logarithmic functions. In order to prepare us for a transferrable math course, we will strengthen our abilities in solving problems in applications.

Student Learning Outcomes: Throughout the semester, your performance on multiple student learning outcomes will be evaluated. These are skills for which all students who successfully complete this course should be able to demonstrate proficiency. The outcomes which will be assessed include—but are not limited to—the following:

- Given a quadratic equation in one variable, students will solve the equation using an appropriate method.
- Given the description of real-world problem, students construct correct equations and/or inequalities to represent the problem and determine the correct solution or set of solutions.
- Identify and apply basic algebraic concepts including function and its properties (domain, range, intercepts, inverse functions), slope and its meaning (rate of change); absolute value, equations and equivalency of equations, inequalities, exponents, laws of exponents and logarithms; and Pythagorean Theorem.
- Perform basic operations on and simplify expressions containing algebraic expression: complex numbers, polynomial expressions, exponential expressions, logarithmic expressions, radical expressions and rational expressions.
- Solve equations and inequalities.
- Sketch the graphs of functions and relations.
- Find and sketch inverse functions.
- Problem solved by application of linear, exponential and quadratic functions.

Grading Policy: Your grade will be determined by the following parts.

1. **Attendance:** Attendance is mandatory. You have to make an effort to come to the class every morning. If you come to the class late, walk in quietly. If you miss six classes in two weeks, you may be dropped from the class.
2. **Homework: [10%]**
Go to WebAssign to finish your homework before the due date. I suggest you to finish the homework the day we finish the section.
 Go to <http://www.webassign.com>. The class key is: rihondo 6567 4135.
3. (10%) **Quizzes:** We will have quizzes very often. When you finish your homework, review the section. We will not make announcement for having a quiz. *No make-up quizzes will be given.*
4. (62%) **5 Tests:** The first test will be taken online. Go to WebAssign, you can finish it before the deadline. Tests dates will be announced in class. No make-up tests will be given. If you have any problems to take a test on a certain date, contact me in advance to make arrangement for taking the test.
 T1=10%, T2=T3=T4=T5=13%

The first test is going to be taken on the WebAssign.

6. *Any student with a disability, who believes that he/she may need accommodations in this class, is encouraged to contact the Disabled Student Program and Services as soon as possible to ensure that such accommodations are implemented in a timely manner. The office is located in room SS330 and the telephone number is 562.908.3420.*

7. Important dates:

9/3 : Last day to add a semester length class

9/15: Last day to DROP without a “W”

9/25: Last day for Pass/No Pass petition

10/27: Last day to DROP semester length classes

8. Very Important:

You will be asked to leave the classroom if you do not turn off your cell phones; and/or you are sending or receiving text messages during the class meeting period; and/or using ipod; and/or using an earpiece to listen to music, etc.

My Record:

A. *My Tests scores:*

T1 = _____

T2 = _____

T3 = _____

T4 = _____

T5 = _____

B. *Quizzes:*

<i>Quiz</i>	<i>Score</i>	<i>Quiz</i>	<i>Score</i>	<i>Quiz</i>	<i>Score</i>
<i>1</i>		<i>15</i>		<i>29</i>	
<i>2</i>		<i>16</i>		<i>30</i>	
<i>3</i>		<i>17</i>		<i>31</i>	
<i>4</i>		<i>18</i>		<i>32</i>	
<i>5</i>		<i>19</i>		<i>33</i>	
<i>6</i>		<i>20</i>		<i>34</i>	
<i>7</i>		<i>21</i>		<i>35</i>	
<i>8</i>		<i>22</i>		<i>36</i>	
<i>9</i>		<i>23</i>		<i>37</i>	
<i>10</i>		<i>24</i>		<i>38</i>	
<i>11</i>		<i>25</i>			
<i>12</i>		<i>26</i>			
<i>13</i>		<i>27</i>			
<i>14</i>		<i>28</i>			

Fall 2013: Math 70 : Intermediate Algebra Homework Sheet

Textbook: "Intermediate Algebra" with applications, 8th edition, Aufmann/lockwood

ISBN : 978-1-111-57949-4

ALL PROBLEMS LISTED ARE FOR EXTRA PRACTICE, YOU DO NOT HAVE TO TURN IT IN.

Date	Chapter	Section	Page	Homework Problems
8/25	1	1.1	9	3,21,27,35,45,53,59,61,63,65,67,69,73,75,77,83,85,87,97,101,105,111
		1.5	46	11-25, 31,35,37,39 (SELF-REVIEW)
8/26	2	2.4	90	13,15,17,19,23,29,33,37,39,41,57,59,63,69,75,81,87,91,101,109
8/27		2.5	99	15,19,27,31,39,45,57,59,61,67,75,77,83,85
8/28	3	3.1	116	11,15,19,21,37,39,43,45
9/2		3.2	129	9,13,15,17,19,35,41,49,55,61,71,73,77,79,83,87,95,99,103,109,119
	TEST 1			Chapter 1 and Chapter 2(On-line: Go to the webAssign)

Test 1: Chapter 1 and chapter 2 review test.

Date	Chapter	Section	Page	Homework Problems
9/3		3.3	144	2,5,13,19,23,27,29,33,37,41,47,59,67,71,73
9/4		3.4	156	3,4,11,17,21,27,31,37,41,57,63,67
9/8		3.5	165	7,13,19,25,237,45,57,63,69
9/9		3.6	174	11,15,23,25,27,29,31,33
9/10		3.7	178	3,5,11,17,19,23
9/11	4	4.1	192	3,5,6,7,13,37,43,50,57
9/15		4.2	201	9,21,31,37,47,57,65
9/16		4.4	225	9,11,17,23,31,35
9/17				REVIEW
9/18	TEST 2			CHAPTER 3

Test 2: Chapter 3.

Date	Chapter	Section	Page	Homework Problems
9/22		4.5	231	1,2,7,15,21,29,33
9/23	5	5.1	250	11-39(ODD), 45-87(ODD),91,95,107,108,111
		5.2	261	9,13,17,21,35,43,45,65,67 (Self-study)
		5.3	270	9,14,22,25,27,37,55,71,87 (Self-study)
9/24		5.4	281	11,19,27,41,53,59,65,71,77,89,93,95
9/25		5.5	288	5,11,17,21,27,35,41,49,53,61,69
9/29		5.6	296	7,17,28,31,35,45,53,57,67,71
9/30		5.7	303	17,20,21,29,42,45,61,67,73,77,87,93,117,121,139
10/1		5.8	311	3,9,16,27,39,49,51,55,57,65,69,73,75
10/2	6	6.1	326	1,9,13,17,21,29,33,49,55,67,73
10/6		6.2	337	9,11,17,25,29,33,43,47,55,65,73,79
10/7				REVIEW
10/8	TEST 3			CHAPTERS 4 AND 5

Test 3: Chapters 4 and 5.(Some sections in chapter 5 will be reviewed quickly.)

Date	Chapter	Section	Page	Homework Problems
10/9		6.3	344	11,13,21,27,33,39
10/13		6.4	352	11,15,27,33,41,49,61,71,79
10/14		6.5	363	11,15,19,21,37,41,45,52,55
10/15		6.6	369	7,9,15,19,27,
10/16	7	7.1	385	1,3,5,7,17,25,27,33,39,47,51,69,75,79,93,105,111,127,139,153
10/20		7.2	396	9,13,17,23,27,33,37,43,51,55,57,67,73,85,95,103,109,111,123,133,143,147,161,171,181,187
10/21		7.3	404	11,13,17,21,23,27,29,35,39
10/22		7.4	411	11,13,21,27,31,39,41,51,63,69,73
10/23		7.5	420	3,5,6,13,23,31,37,45,49,55,67,77,87,97,103,111
10/27	8	8.1	435	3,5,19,27,33,39,45,49,57,65,83,89,95,105
10/28		8.2	446	11,17,27,39,47,57,73,85,91,107,111,113,115
10/29				REVIEW
10/30	TEST 4			CHAPTERS 6 AND 7

Test 4 : Chapter 6 and Chapter 7.

Date	Chapter	Section	Page	Homework Problems
11/3		8.3	455	9,13,23,31,39,45,51,63,69,76,78
11/4		8.4	461	7,9,15,21,25
11/5		8.5	472	12,21,29,33,41,57,69,73,97,105,109
11/6		8.6	481	11,15,19,31,35,39
11/11		8.7	487	7,11,15,31,35,41,45,48
11/12	9	9.1	500	9,11,13,15,19,29,31
11/13		9.2	509	7,11,12,17,19,25,37,39,49,51,65,67
11/17		9.3	517	11,13,17,19,29,31,33,35,57,61
11/18	10	10.1	535	1,3,5,13,17,23,27,35,39,53
11/19				REVIEW
11/20	TEST 5			CHAPTER 8

Test 5: Chapter 8

Date	Chapter	Section	Page	Homework Problems
11/24		10.2	548	3-10,13,17,19,21,25,27,33,41,45,49,53,57,65,67,71,77,81, 87,97,105,115,123,131,133,139
11/25		10.3	555	7,9,11,29
11/26		10.4	563	7,17,29,41,55,63,67,77
12/1		10.5	571	7,11,19,21,23,29
12/2				REVIEW Practice Final Exam
12/3				REVIEW
12/4				REVIEW
12/8	FINAL			7:00 AM to 9:00 AM

Math 70: Fall 2014

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Week	Monday	Tuesday	Wednesday	Thursday
1	8/25 1.1	8/26 2.4	8/27 2.5	8/28 3.1
2	9/1 Holiday	9/2 3.2	9/3 3.3	9/4 3.4
3	9/8 3.5	9/9 3.6	9/10 3.7	9/11 4.1
4	9/15 4.2	9/16 4.4	9/17 REVIEW	9/18 TEST 2
5	9/22 4.5	9/23 5.1	9/24 5.4 (5.2/5.3)	9/25 5.5
6	9/29 5.6	9/30 5.7	10/1 5.8	10/2 6.1
7	10/6 6.2	10/7 REVIEW	10/8 TEST 3	10/9 6.3
8	10/13 6.4	10/14 6.5	10/15 6.6	10/16 7.1
9	10/20 7.2	10/21 7.3	10/22 7.4	10/23 7.5
10	10/27 8.1	10/28 8.2	10/29 REVIEW	10/30 TEST 4
11	11/3 8.3	11/4 8.4	11/5 8.5	11/6 8.6
12	11/10 Holiday	11/11 8.7	11/12 9.1	11/13 9.2
13	11/17 9.3	11/18 10.1	11/19 REVIEW	11/20 TEST 5
14	11/24 10.2	11/25 10.3	11/26 10.4	11/27 Thanksgiving
15	12/1 10.5	12/2 REVIEW	12/3 REVIEW	12/4 REVIEW
16	12/8 FINAL EXAM 7:00-9:00 AM			