

Instructor: Dr. Joanna Robinson
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Office hours: MWF 10:00 - 10:45 a.m.,
R 2:30 – 3:20 p.m., or by appointment

This is a special section of college algebra for students NOT continuing to Precalculus or Calculus. It is acceptable, however, for students continuing to STAT 1342.

Textbook: **Robert Blitzer: Thinking Mathematically, 3rd Ed.**
Student Solutions Manual is recommended.

Main topics: Problem solving and critical thinking.
Set theory.
Logic.
Number theory and the real number system.
Equations, inequalities and their applications.
Functions, graphs and their applications.
Consumer mathematics.

Assignments: Homework will be assigned each week. Even numbered problems must be handed in the following Monday in class. The work must be legible, with all the necessary steps and explanations clearly set out. Odd numbered problems will not be collected; it is, however, strongly recommended that you do them.

Tests: There will be three major tests and a comprehensive final.

Test I Monday, September 19
Test II Monday, October 17
Test III Monday, November 21
Final Exam: Monday, December 5 at 11:00 a.m.

There will be no make-ups, except in extraordinary circumstances.

Grading:	Two best of the three major tests	30%
	Homework	10%
	Comprehensive final	30%

To succeed in this course one has to do a large number of problems.

Here is a list of selected odd-numbered problems which all the students should do. The answers to those problems are in the book and solutions are in the Solution Manual.

Sec. 1.1 : # 1, 3, 5, 7, 9, 15, 19, 21, 25, 33, 35, 45, 47;

Sec. 1.2: # 1, 5, 9, 17, 21, 27, 29, 31, 33, 37, 41, 45, 47, 49

Sec. 1.3 : # 1, 3, 5, 7, 9, 15, 19, 21, 23, 25, 27, 31, 39, 45;

Sec. 2.1 : # 1, 5, 7, 9, 11, 15, 17, 19, 31, 33, 37, 39, 41, 59, 65, 67, 71, 73, 75, 77, 83;

Sec. 2.2 : # 1, 5, 11, 13, 15, 17, 19, 23, 25, 29, 35, 37, 41, 43, 47, 51, 57, 61, 63, 69, 73, 87;

Sec. 2.3 : # 1, 3, 5, 9, 17, 19, 21, 23, 25, 27, 57, 59, 61, 63;

Sec. 2.4 : # 25, 27, 29, 31, 33, 35, 39, 65, 69;

Sec. 2.5 : # 1, 3, 5, 7, 11, 13, 19, 23, 25;

Sec. 3.1 : # 1, 3, 5, 7, 11, 13, 15, 17, 19, 21, 27, 29, 31, 33, 35;

Sec. 3.2 : # all odds 1-31;

Sec. 3.3 : # 3, 11, 13, 17, 19, 33, 35, 37, 39, 43, 47;

Sec. 3.4 : # 9, 11;

Sec. 3.5 : # 7, 9, 19, 21, 23, 43, 45, 57, 59, 61;

Sec. 3.6: # -----

Sec. 3.7: # 3, 5, 7, 9, 11, 13, 15, 17, 21, 25;

Sec. 5.1: # 25, 27, 31, 47, 49, 59, 61, 71, 75;

Sec. 5.2: # 3, 7, 9, 11, 13, 15, 21, 25, 27, 29, 33, 35, 39, 41, 43, 45, 51, 55, 59, 67, 71, 73, 83,
87, 89, 91, 95, 101, 103, 105, 107;

Sec. 5.3: # 1, 3, 7, 13, 15, 19, 25, 31, 33, 39, 45, 59, 61, 65, 75, 77, 81, 87, 91, 101, 111, 113;

Sec. 5.4: # -----

Sec. 5.5: # 13, 15, 17, 19;

Sec. 6.1 : # 1, 3, 5, 7, 15, 31, 33, 35, 39, 43, 47, 49, 51, 53, 55, 61, 63, 67, 75, 77, 79;

6.2 : # 3, 5, 9, 15, 21, 29, 33, 39, 43, 81, 87;

6.3 : # 1, 3, 5, 13, 15, 19, 23, 35, 37, 39, 43, 45, 47, 49, 55;

6.4 : # 1, 7, 9, 11, 17, 19, 25, 29;

6.5 : # 3, 5, 9, 13, 25, 35, 41, 47, 55, 59, 61, 65, 67, 75;

Sec. 7.1 : # 1, 3, 5, 9, 11, 23, 25, 31, 33, 43, 57, 59, 69, 71;

7.2 : # 1, 5, 7, 21, 23, 27, 43, 45;

Sec. 8.1 : # 1, 5, 7, 11, 13, 17, 19, 21, 25, 27, 29, 35, 37, 39, 41, 43, 49, 51, 53, 57, 59, 61, 65 ;

8.2 : # 1, 3, 7, 11, 13, 15, 21, 31;