

Test #2 will be given on Mon., March 26. It will include material from Sections 4.1, 5.1, 5.2, 6.2, 6.3, & 6.4.

**BE SURE TO BRING YOUR CALCULATOR TO THE TEST. SHARING OF CALCULATORS DURING TESTS IS NOT PERMITTED.**

**IMPORTANT REMINDERS**

**MAKEUP POLICY:** If you know in advance that you have to miss a quiz or test, you can make arrangements with me to take the quiz or test **before** it is given in class. Otherwise, no makeup quizzes will be given. If you miss an hour test, it may be made up only if you

- Do not have more than one unexcused absence during the time period covered on the test.
- Contact me on or before the scheduled test date.
- Can prove that you have a legitimate excuse.
- Show me all homework on the relevant material.

**If you do not meet these conditions, you will not be permitted to take a makeup test and the percentage equivalent of your final exam grade will be substituted for the grade of the missed test. No student will be permitted to take more than one makeup test.**

**ACADEMIC HONESTY:** All students are expected to do their own work on quizzes and tests. Students are expected to observe the following rules during any test or quiz.

- Students may not use or even hold a cell phone or any other electronic device.
- Students may not speak to or share materials with other students.
- Students should have all materials ready at the beginning of the quiz or test.
- Students should remain in the room during the entire test or quiz.

Appropriate penalties will be imposed for breaches of academic honesty.

**For this test, you should be able to**

- Solve a system of equations using substitution or elimination.
- Graph a linear inequality.
- Graph a system of linear inequalities, clearly indicate the solution (feasible) region, and determine the coordinates of all of the corner points of the solution (feasible) region.
- Translate a linear programming problem from a verbal description into a mathematical model.
- Solve a linear programming problem and write a sentence answering any questions asked in the problem.
- Use basic set notation symbols for union, intersection and complement.
- Use Venn diagrams and/or the Addition Principle to determine the number of elements in a set.
- Use the multiplication principle to determine the number of possible combined outcomes for sequential events.
- Recognize when a problem involves determining the number of permutations of objects versus the number of combinations of objects and be able to calculate the number of permutations or combinations.

**SUGGESTED REVIEW EXERCISES**

**Chapter 4 Review** (p. 267)/16

**Chapter 5 Review** (p. 368)/ 1, 2, 17, 19, 35, 39

**Chapter 6 Review** (p. 415)/ 13 - 20, 28, 29, 35, 36, 46, 47

**You should also go over all homework, quiz, and worksheet problems. In addition, MA 110 Practice Quizzes for Sections 6.2, 6.3, and 6.4 are available on the internet. To access these quizzes, go to the course website and click "MA 110 Practice Quizzes."**