Exam II Review Sheet  
MDEV 003A, Fall 2003

This exam will cover sections 3.1-3.6 and 4.1. You should know general terms and definitions from each of these sections, review the homework and quizzes given for these sections, and pay particular attention to the subjects and practice problems mentioned below.

1. Plotting points on a coordinate system.
2. Sketching the graph of an equation with two variables by plotting points.
3. Finding the $x$- and $y$-intercepts of a line.
4. Finding the slope of a given line, or of a line between two points.
5. Finding the slope of lines parallel and/or perpendicular to a given line.
6. The slope-intercept form of the equation for a line: $y = mx + b$.
7. The point-slope form of the equation for a line: $y - y_1 = m(x - x_1)$.
8. Finding the equation of the line from a graph, pair of points, slope and point, or a slope and $y$-intercept.
9. Finding the equation of a line parallel or perpendicular to a given line through a given point.
10. Graphing linear inequalities in two variables.
11. Finding a linear inequality in two variables from a given graph.
12. Determining if a relation is a function by graphing and applying the vertical line test.
13. Identifying the domain and range of a relation by graphing.
14. Finding the domain and range of a relation given as a set of ordered pairs, and determining if that relation is a function.
15. Working with function notation and evaluating functions.
16. Solving systems of linear equations in two variables.

For a list of sample problems, please see the following pages in your text: