Unit Title          When Lines Meet: Linear Systems

Section 3.1 Interpreting Intersection Points: Linear and Nonlinear Systems

Students completing this section will be able:
- Explain why the x-coordinates of the points where the graphs of the equations $y = f(x)$ and $y = g(x)$ intersect are the solutions of the equation $f(x) = g(x)$; find the solutions approximately, e.g., using technology to graph the functions, make tables of values, or find successive approximations. Include cases where $f(x)$ and/or $g(x)$ are linear.
- Understand that solutions to a system of two linear equations in two variables correspond to points of intersection of their graphs, because points of intersection satisfy both equations simultaneously.

Online Module File Name          Section 3.1 Solving Systems (Graphing)

Online Modules
Section 3.1
Solving Systems Using Graphing

Ticket in the Door
Section 3.1 When Lines Collide: Solving Systems by Graphing
Students are to list the objectives of the module
Students are to solve a system of equations using graphing

In class discussion
Section 3.1 Pages 63 - 65 Great Examples
  Focus: Meaning of the intersection of functions

Wiley Homework          Due: February 20th 11:00pm

Chapter 3, Algebra Aerobics 3.1, Question 03
Chapter 3, Algebra Aerobics 3.1, Question 04a
Chapter 3, Algebra Aerobics 3.1, Question 04b
Chapter 3, Exercises for Section 3.1, Question 01
Chapter 3, Exercises for Section 3.1, Question 02a
Chapter 3, Exercises for Section 3.1, Question 06
Chapter 3, Exercises for Section 3.1, Question 09
Chapter 3, Exercises for Section 3.1, Question 12
Chapter 3, Exercises for Section 3.1, Question 14
Chapter 3, Exercises for Section 3.1, Question 16
Chapter 3, Exercises for Section 3.1, Question 18abd