

## Math 1050-006 Homework 3

Assigned: 2/6/2013

Due: 2/13/2013

**Please clearly identify which problems you are working on.**

**Please staple all your solutions together and write your name and student id number clearly on the top of the first page.**

### Book Problems:

- 1) Intro to Graphs: 1-12
- 2) Graph Transformations: 1-16
- 3) Inverse Functions: 1-3, 7-9, 15-20

### Other Problems:

- 1) How many x-intercepts can a graph of a function have?  
How many y-intercepts can a graph of a function have?
- 2) Can a graph (not necessarily a graph of a function) fail the vertical line test and still be a graph?  
Can a graph of a function fail the vertical line test?