BONUS QUIZ 2   Numerical Analysis

Name: _____

Date: _____   **Friday February 13**
Time Begun: _____   Ron Buckmire
Time Ended: _____

Topic : MATLAB Commands

The idea behind this quiz is to give you an opportunity to demonstrate your comfort and familiarity with MATLAB.

Reality Check:

EXPECTED SCORE : _____/5   ACTUAL SCORE : _____/5

Instructions:

0. Please look for a hint on this quiz posted to `faculty.oxy.edu/ron/math/370/09/`

1. Once you open the quiz, you have **30 minutes** to complete, please record your start time and end time at the top of this sheet.

2. You may use the book or any of your class notes. You must work alone.

3. If you use your own paper, please staple it to the quiz before coming to class. If you don't have a stapler, buy one. QUIZZES WITH UNSTAPLED SHEETS WILL NOT BE GRADED.

4. After completing the quiz, sign the pledge below stating on your honor that you have adhered to these rules.

5. Your solutions must have enough details such that an impartial observer can read your work and determine HOW you came up with your solution.

6. Relax and enjoy...

7. **This quiz is due on Wednesday February 18**, in class. NO LATE OR UNSTAPLED QUIZZES WILL BE ACCEPTED.

Pledge: I, _____, pledge my honor as a human being and Occidental student, that I have followed all the rules above to the letter and in spirit.

1. (*1.5 points*). What is the output of the following MATLAB statements?

```
x = 1:3;
y = 3:-1:1;
z = sum( x.*y - min(x)*max(y) )
```

2. (*1.5 points*) What is the output of the following MATLAB statements?

```
x = 32; for i = 1:4, x=x/2; end; y=x
```

3. (*2 points*) Write down a series of MATLAB commands that you would use to find the average value of the first 100 non-zero integers.