

**Problem Set 3: Due Wednesday, April 29, 2009**  
Spring 2009

Math 190  
Dr. Wigglesworth

Name: \_\_\_\_\_

You must *show all work* to receive full credit.

Answers and assertions must be fully explained and justified.

Your solutions must be clear, concise, and easy to follow.

You must cite any sources used for this assignment.

1. Page 610, number 34.
2. Page 648, number 35.
3. Page 648, number 44.
4. Page 431, number 34.
5. Page 682, number 37.
6. Page 704, number 30.
7. In a group of two or more people, must there always be at least two people who are acquainted with the same number of people within the group? Why or why not?