# MA310 – Homework #7
### Due Thursday, April 9

Reminder: Exam #2 will be on Thursday, April 16.

- By Tuesday, April 7, carefully read Chapters 8 and 9 of the textbook.

1. Problem #4.1 ("100")in Problems IV of my handouts.

2. Problem #4.2 ("Penny Piles") in Problems IV of my handouts.

3. Problem #4.5 ("School Lockers") in Problems IV of my handouts. Be sure to provide an explanation of your answer! You may see some patterns, but then you must explain why they must be true.

4. Textbook, page 244, #6. Assume that the even numbers to be used are $\{0, 2, 4, \ldots\}$ and the odd numbers to be used are $\{1, 3, 5, \ldots\}$.