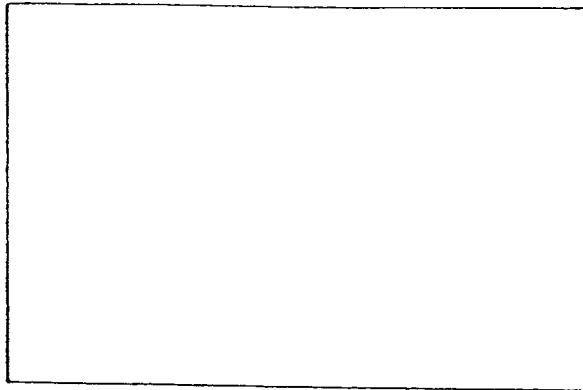


Math 16C
Kouba
Worksheet 9

- 1.) Find the n th term of the following sequence : 5, 6, 8, 11, 15, 20, ...
- 2.) An edible protein supplement guarantees to increase your weight by 1% per week. If you weigh 140 pounds now, what is your projected weight after eating this supplement for 60 weeks ?
- 3.) What is the maximum number of rectangles into which the given rectangle can be divided using 200 vertical lines ? Count all distinct rectangles, including overlapping rectangles.



- 4.) What is the maximum number of parts into which the following circle can be divided using 300 straight lines ? Count only distinct non-overlapping parts.

