

# CPSC 629 Homework 3

February 6, 2008

Homework 3 is due Wednesday, February 20 in class.

Read chapters 15-17. Turn in

1. Exercise 15.4-5, page 356
2. Exercise 15.4-6, page 356
3. Problem 15-2, page 364
4. Exercise 16.2-5, page 384
5. Problem 16-1, page 402
6. Suppose you were trying to maintain dynamic tables as the text described, but when the table was full, you moved to a table that was 4 times as big instead of twice as big. When would you want to move to a smaller table? How much smaller would you make it? What potential function would you use to show the amortized time is linear? Show that the time is linear.