14.381 Problem Set 4
Statistics Fall, 2004

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Due October 12 in Lecture (9:00am).

1. C&B 3.28, parts (a), (b) and (c) only.
2. C&B 3.42
3. C&B 4.1
4. C&B 4.4
5. C&B 4.9
6. A and B agree to meet between 3 and 5 p.m. Suppose they arrive independently and randomly during the hour. (Treat their arrival time as a continuous random variable between 3 and 5). Find the CDF for the length of time A waits for B. (If B arrives before A, define A's waiting time as 0).