

# Lecture 18

March 2, 2015

1. Try 4.3.33.
2. Try 4.3.35.
  - Hint for (d): Do you need see that you need to find  $c$  so that the area on the left of  $8.8 - c$  is 0.01 . Perform a procedure similar to finding percentile.
  - Hint for (e): Find the chance that one tree exceeds 10 in. and use the product rule for independent events.
3. Try 4.3.37. Hint for part (c): Find  $x$  so that the area on the left is 0.001
4. Try 4.3.39. Hint for part (c): Find the 90-th percentile.
5. Try 4.3.41. Find the chance that one equipment does not have damage. The chance that at least one of the five has damage is the complement of the fact that all of the five have no damage.