

22s:039

Homework 6

Assigned Friday, October 9

Due Friday, October 16 at classtime

Chapter 5: Joint (Discrete) Distributions & Joint (continuous) Distributions

For each problem, provide the solution and any work that can be used for partial credit.

Do all listed parts of following book problems.

5-1 do a through d.

5-8 do a through h.

5-13 do a through c, and e through h

5-14 do a through b

For each problem, provide the solution and any work that can be used for partial credit.

6A-1 Determine the value of c that makes the function $f_{XY}(x, y) = ce^{-2x-3y}$ a joint probability density function over the range of $0 < x$ and $0 < y < x$.