

Statistics 23, Section 1, Homework # 4

Due: Thursday, September 16, 1999

4.14 (0.3, 0.1, 0.2, 0.7, 0.9, 0.9)
and (g) $P\{X = 3 \mid X < 7\}$
(h) $P[X \geq 3 \mid X < 7]$
(i) $P[X = 9 \mid X < 7]$

4.12 (no, yes, no, no)

4.16 using Excel (0.06, 0.28, 0.82)

4.37 a, c (hint: use a calculator, or Excel. For Excel, useful commands are: (i) ^ (ii) COMBIN)

4.48 (0.000506)

4.40 b, c, d, e using Excel, not table (0.0338, 0.0815, 0.000454, 0.998)

4.42 (0.353, 0.176, 0.914, 0.682 (with rounding of p) or 0.673 (with NO rounding of p))

4.43 ((a) 0.006, 0.01, 0.049, (b) 0.0293, 0.000356, (c) 0.048, 0.00098 (d) 0.894)

4.44 (0.0127, 0.783)