

Statistics 23, Section 1, Homework # 2

Due: Thursday, September 2, 1999

B1: Calculate  $[(1.12)^2 + (2.21)^2 - 6.12]^2$ . Hint: (not 0.0001)

3.10, (a) & give probability for each sample point, using Excel.

B2 (a) Write out the sample space for drawing 3 from the population  $\{A, B, C, D, E\}$ .

3.1, 3.3

3.10 (b) – (g) (all parts from (b) through (g)) (0.118, 0.177, 0.234, 0.0612, 0.0540)

3.7, 3.8 (numerical answers: .31, .41, .81, .91)

3.16 (a), (b) (answers:  $7/8$ ,  $1/2$ ,  $7/8$ ,  $1/8$ ,  $1/2$ ), (c) and: (c\*) find  $P(\text{not } A)$  by Rule I and check with (b)

3.16 (d), 3.19

3.21, 3.29, using Excel (hint on 3.29: regroup as table in Excel)