Problem Set 4

Exercise	Modification or comments
4.74a	Change $P(A)$ to $P(A) = .31$
4.86	Instead find the probability that *exactly one* student has volunteered
4.94	Change the probability of an allergic reaction from .03 to .025
4.104	Change the probabilities to $P(A) = .43$, $P(B) = .49$, and $P(A \text{ and } B) = .27$
4.108	Use the table to find *only* P(have been victimized or C) (Do not do either part a or part b of the problem as stated in the text.)
4.117	Change the probability that the teacher is female from .68 to .72
4.131	Change the probabilities 51% and 49$ to 60% and 40%, respectively, and compute the probability that *exactly one* of the two employees has confidence in the senior management (do not do either parts a or b of the problem as stated in the text). Draw a tree diagram with probabilities on every branch and the relevant final nodes.
4.136a	Change the first win to the sixth play Hint. Each play is independent of the others
4.136c	Hint. Find the probability of the complementary event first
4.141b	Change the situation from five reds in a row and then green to three reds and then green. Use a tree diagram. Put probabilities only on the branches that are relevant, not every branch.