1a) .65
1b) P(S|job) = .86, P(M| job) = .12, P(W|job) = .02
1c) P(S| no job) = .4, P(M| no job) = .34, P(W| no job) = .25

2a)
P(A in govt) = .65
P(B in govt) = .75
A(C in govt) = .65
A(D in govt) = .35

2b) P(2 parties in govt) = .65

2c)
P(A = f| A in govt) = .615
P(B = f| B in govt) = .429
P(C = f| C in govt) = .308
P(D = f| D in govt) = .286

3a) E(X) = 39.2, E(Y) = 37
3b) Var(X) = 82.2, Var(Y) = 84.5

4a) E[(2 + x)^2] = 9.5
4b) Var(4+3x) = 4.5

5a) show steps of proof
6) 0