Answers Practice Test #2

1. D 10a) 0.75
2. D 10b) No, they can occur at the same time
3. C 10c) No, b/c P(P|E) does not equal P(P)
4. C
5. B 11a) 2 possible outcomes (Silver/Non Silver)
6. A Trials are independent
7. D Probability of “p” stays the same
8. A 11b) 0.0817
9. B 11c) Binom Model with n = 50 and p = 0.188

 Mean = 9.4 S.D = 2.76

 12a) “np” and “nq” are both > 10

200 people are less than 10% of all people in the area.

 12b) 0.3002 or 0.2709

 12c) Some justification about S.D above the …………………………..mean and then calculating that …………………………..number of households