Math 3339   Name:

QUIZ #2

Please, show your work and write legibly to receive credit for your work

NOTE: you can leave your solutions in terms of products of fractions and/or binomials; you do not need to compute the numerical values

(1) Two cards are drawn successively and without replacement from a 52-card deck of playing cards. Compute the probabilities associated with the events below:

(a)[2Pts] drawing no heart in both draws;

(b)[3Pts] drawing an ace on the first draw, a heart on the second draw.

(2) Four cards are drawn successively and without replacement from a 52-card deck of playing cards. Compute the probabilities associated with the events below:

(a)[2Pts] drawing a heart on the first draw, a heart on the second draw, a club on the third draw, a heart of the fourth draw;

(b)[3Pts] drawing the third heart on the fourth draw.