

**MATH 21-01 (Introductory Statistics), HW6 (100 points). Due: 10/18/2016 in class.**

**Not from textbook (35 pts)**

In a card game, 5 cards are drawn from a standard 52 card deck. Find the following probabilities:

- (A) There are 4 aces amongst the 5 cards.
- (B) There are 4 aces and 1 king.
- (C) There are 3 tens and 2 jacks.
- (D) There is a nine, ten, jack, king, and queen in any order.
- (E) There is at least one ace.

**From textbook (65 pts)**

- Section 4-5: 22(a,b,c), 33(a,b)
- Section 4-6: 3, 9, 10, 12, 14, 16