

I pledge my honor that I have neither given nor received aid on this exam.

NAME

SSN (last 4 digits)

Show all work (attach work pages). Write on one side of page only. Write answers in space provided. Staple in upper left-hand corner.

Two 3-card hands are dealt to Fran and Ron from a shuffled deck of 52 cards.

1. Find the probability that Fran gets the Ace of Spades. 1) _____
2. Find the probability that Ron gets the Ace of Hearts. 2) _____
3. Find the probability that Fran gets the Ace of Spades if it is known that Ron got the Ace of Hearts. 3) _____
4. Find the probability that Fran gets the Ace of Spades and Ron gets the Ace of Hearts. 4) _____
5. Find the probability that either Fran gets the Ace of Spades or Ron gets the Ace of Hearts (or both). 5) _____
6. Find the probability that Fran gets the Ace of Spades and the Ace of Hearts. 6) _____