

EE 381 Homework 1 - Part 2

This homework is due with additional parts in dropbox (laboratory section) on 2-1-2021.

Two cards are selected from an ordinary deck of 52 cards. Assume that the first card is not replaced before the second one is drawn. Consider the following events: $A = \{\text{first card is an ace}\}$ and $B = \{\text{second card is an ace}\}$.

(a) Find $P(A \text{ and } B)$

(b) Find $P(B)$

Hint: consider the complement of A. Then $B = \{A \text{ and } B\} \text{ or } \{A' \text{ and } B\}$

(c) Find $P(A \text{ or } B)$