Math 131 (Term 163) - Quiz 4

Student Name_____ **Student ID:** _____

Exercise 1 [3 points]

A lecture hall has five doors. In how many ways can a student enter the hall by one door and exit by a different door?

Exercise 2 [3 points]

A social services office has 15 new clients. The supervisor wants to assign 5 clients to each of three specific caseworkers. In how many ways can this be done?

Exercise 3 [4 points]

A fair coin and a fair die are tossed. Let E denote the event that a Head and an Even number show. Find $P(E)$.

Sample Space $S \; = \; \{$

Event $E \; = \; \{$

$P(E) \; =$