**EECS 560 Midterm Exam Section 1**

**Note: This exam is closed-book and closed-notes**

**Name: KU ID:**

(1) Describe the advantages of passing rvalue reference as parameter (10pts).

(2) What is the worst-case scenario time complexity of searching for a specific element from a binary search tree? (10pts)

(3) Explain why rehashing is required when table doubling/halving happens. (10pts)

(4) What are “Big Five” defined in the context of C++ object interface? (10pts)

(5) In a 64-bit machine, how much memory space would a binary search tree Node designed for searching integers occupy? (10pts)