Computer Science 3 Final Review
Answer Section

1. o(1)
2. reverse
3. B
4. E
5. 31
6. `13`
7. `75 150 210 250 225 200`
8. 3
9. Inorder
10. E
11. $O(Log_2N)$
12. $O(N * Log_2N)$
13. `[7, comp, 1, aplus]`
14. `2`
15. `[0, dog, cat, 3, 2]`
16. D
17. Placing the items with the same hash in a linked list
18. A doubly-linked list contains both a previous and next pointer
19. B
20. C
21. `9`
22. `{2=3, 3=2, 4=1, 5=1, 6=2, 8=1}`
23. E
24. `[2, 3, 4, 5, 6, 7, 9, 10]`
25. `[7,5]`
26. `t`
27. `t`
28. `[d, z, w]`
29. C
30. D
31. `[-87, 31, 65]`
32. `[one, three, two]`
33. `[one, two]`
34. B
35. D
36. {1, 2, 4, 5, 7, 9}
37. {4, 5}
38. {1, 7}
39. {1, 2, 4, 5, 7, 9}
40. The two sets share no elements in common

41. The number of elements contained in a set
42. `[13, 42]`
43. `[21, 52]`
44. C
45. quick sort
46. O(N * $\log_2$N)
47. O(N)
48. O(N)
49. O(1)
50. selection sort
51. merge sort
52. `6 11 23 39 3 18 20 5 57`
53. **8**
54. merge sort
55. `18`
56. `[11, 18, 22, 3]`
57. `[11, 99, 80, 33, 3]`
58. `[7,5]`
59. underflow
60. `O(1)`
61. `!dlroW ,olleH`
62. `3`
63. `[-87, -6, 5, 20, 111, 300]`
64. Sorts the stack in ascending order
65. `4`