

CSI 202 - Computer Science II
Review Sheet #2

Algorithm Comparison, Big-Oh (102-109)

ADT means abstract data type below:

Vector

- push_back, size, resize, empty, clear
- STL

Stack (256-278)

- push, pop, size, empty
- STL
- ADT(258--259)
- overflow (265)
- underflow (267)

Queue (277-308)

- push, front, size, empty
- STL
- ADT(280-282)

Binary Trees

- root, child, parent, leaf, height, depth (472-474)
- Binary Search Tree (476)
- count nodes (482-484)
- Insert (487)
- depth first traversal (573 albeit for graphs, not trees)
 - pre-, post-, in- order
- breadth first traversal (574 - for graphs)
- in code: node structure, insert, print