Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

CSE 212 Data Structure “Cheat Sheet”

*Note: This document should contain your own work. It is a violation of the BYU-Idaho honor code to share this document or copy in whole or in part from another.*

|  |  |  |  |
| --- | --- | --- | --- |
| Data Structure | Graphic | Purpose and Example | Time Complexity of Common Operations |
|  |  |  | Insert | Access  |
| Dynamic Array |  |  | At the beginning:At the end: | Find by value:Find by index: |
| Linked List (Doubly-linked) |  |  | At the beginning:At the end: | Find by value:Find by index: |
| Stack |  |  |  | The top: |
| Queue |  |  |  | The front: |
| Map |  |  |  |  |
| Balanced BST |  |  |  |  |