Big-O Notation

1. Part 1 – Simplifying Expressions

* O(n)
* O(n)
* O(1)
* O(n^3)
* O(n)
* O(n)
* O(n log n)
* O(n^2)
* O(1)
* O(n^2)

1. Part 2 – Calculating Time Complexity

* O(n)
* O(n)
* O(1)
* O(n)
* O(n^2)
* O(n)

1. Part 3 – Short Answer

* True
* True
* False
* O(n)
* O(n)
* O(n)
* O(n log n)
* O(n)
* O(1)
* O(n)
* O(1)
* O(n)
* O(n)