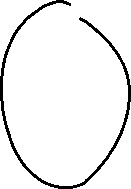
**LAB 06**

**SUBMISSION INSTRUCTIONS**

Type/write your answers on the document and submit it as a pdf file with the name JaneDoe6.pdf (replace JaneDoe with your first and last name respectively).

**QUESTIONS**

1. (10pts): What is the simplified Big O notation of the expressions below:
   1. O(n/2 + 99)
   2. O((n3 + 3) \* (O(n) + 5))
   3. O(12n +6n3 + 1000)
   4. 2n3+ O(n2)
   5. log2n + 2 + log5n
2. (20pts): What is the time complexity of the functions below (express answer in simplified Big O notation)?



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| --- | --- | --- |
|  | **Code** | **Time complexity** |
|  | Question 1 |  |
|  |  |  |
|  | Question 3 |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  | Question 7 |  |
|  |  |  |
|  | Question 9 |  |
|  | Question 10 |  |