```
STEP ONE: simplifying expressions
  1) OLW)
  2) OLW)
  8) OLI)
  4) olue)
  s) olu)
  w) ola)
  710(n 10g n
  810(2")
  9) 041)
  10) 0(~2)
STEP TWO: calculating time complexity
  1) O(n)
                # of operations bound by a multiple of n
  2) o(n)
  3) 011)
                n cappea 10, i= 1
  4) O(N)
  5) ol ~!
  (6) O(N) output acquiacing in string input
STEP THREE: Short answer
1. 7
2. T
8. F
T. Time comparing of . mour Obl): Olas
5. Time comparing of includes(1: Oln)
6. Time complexity of . fortacul): Olm) & superacut on callbace funcl
7. Time complexity of . sourch: Oln log mi
8. Time complexity of . unshipell: Olul
9. Time complexity of pushes: Oll)
10. Time complexity of splice(): Oln) or Oll)
11. Time comparing of popel: Oli)
12. Time comparing of Object. Key(1): O(n)
18. Space complexity of Object. Key(1) kunc: Olm)
```