Quiz 2

1. (8 points) Write a method:

that returns true if both first and second are in the list with second three positions after first.

Ex. If first is 1 and second is 2, we get true for the list [1, 2, 5, 1, 6, 8, 2].

Note: first and second may appear multiple times in the list!

- **2.** (1 point) In Big-O notation, for your implementation above, what is the best case asymptotic computation complexity? What is the worst case?
- **3.** (1 point) Assume first and second cannot be repeated in the list, and the list is sorted. Describe in words an efficient implementation of the method above and its worst case asymptotic computational complexity in Big-O notation.

Bonus (1 point). Do question 3 allowing for repeats of first and second.