Question 1: -

1. Total number of elements: 229.
2. Memory required: 4x229=916 bytes of memory.
3. Address of arr[70] = 348+4(70) = 628.
4. Address of 10th element: 348+10(4) = 388
5. 828 -348 = 480, 480/4 = 120, arr[120] = 70

Question 2: -

1. isEmpty() = O(1)
2. length() = O(1)
3. void print(); = O(N)
4. void addAtFront(T value) = O(N)
5. void addAtEnd(T value); = O(N)
6. int find(T value) = O(N)
7. void reverse() = O(N)
8. void removeFirst(T value) = O(N2)
9. void removeAll(T value) = O(N2)