Chapter 8 Written

**8.4:**

**a)**  O(N)

**b)** O(N log N)

**c)** O(N log N)

**d)** O(N log N)

**8.5:**

**a)** O(N)

**b)** O(N log N)

**c)** O(N log N)

**d)** O(N log N)

**8.6:**

**a)** O(N^2)

**b)** O(N log N)

**c)** O(N log N)

**d)** O(N log N)

**8.8:**

**a)**  array = {4, 7, 9, 2, 8, 0, 3, 1, 5, 10, 6}

worst case if pivot points is the middle.