Fill in your name and NetID.
Please do not open the quiz until I tell you to do so.

**Directions:** Answer the following questions to the best of your ability. When appropriate, we encourage you to show your work, to help us understand your thought process. Quizzes count toward your grade; please take them seriously.
1. Merge Sort has two basic steps. Explain (at a high level) what the first one does. (You don’t have to give details about how it works.)

2. Explain, at a high level, what the second step of Merge Sort does. (Again, don’t give the details).

3. The second step has the following inputs:

   [8, 16, 19, 35, 54, 58, 75, 76]
   [6, 10, 15, 34, 37, 41, 56, 66]

   What is its output?