CS 3853 Computer Architecture Quiz 8b Spring 2013

This is a closed book exam. You may not use a computer.
Answer all question on this sheet in the space required.
Each problem is worth 3 points:
1 point for turning in the paper
2 points for getting it partially correct
3 points for getting it completely correct

These problems are related to the following code segment:

1. L.D  F0, 8(R1)
2. ADD.D  F2, F4, F6
3. ADD.D  F8, F2, F0
4. SUB.D  F0, F4, F6
5. ADD.D  F2, F8, F6

1) List all of the data dependencies. Your answers should be in the form: instruction x is data dependent on instruction y, where x and y are integers.

2) List all of the antidependencies. Your answers should be in the form: instruction x is antidependent on instruction y, where x and y are integers.

3) List all of the output dependencies. Your answers should be in the form: instructions x and y are output dependent, where x and y are integers.