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.