Name: 

1. Are the following graphs connected? If not, circle two vertices in the graph which are not connected to each other by any path.

(a) Not connected

(b) Not connected

(c) Connected

(d) Connected

2. For each of the following graphs, either find a Hamiltonian cycle or state the the graph is not Hamiltonian.

(a) A, D, C, B, F, G, H, E, A

(b) Not Hamiltonian (a cycle cannot include both I and J).