Last name	ſ		
First name		Grade	
Group		Grade	
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2	
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Answers 1 (Implementation and questions... - 2 points)

1. The transitive closure of G is a _____ graph:

a)

b)

2. The Depth-First Search postorder list of vertices of G:

Answers 2 (Warshall - Union-Find - 4 points)

1. Connected components (vertex sets):



2. Which vectors could correspond to the result?

	yes	no
P_1		
P_2		
P_3		
P_4		

Answers 3 (I want to be tree – 5 points)

Specifications:

The function isTree(G) tests whether G is a tree.

Answers 4 (Distances and center – 6 points)

The function that answers the question is to write next page...

Specifications:

The function eccentricity(G, s) computes the eccentricity of s in G.

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${\bf Specifications:}$

The function center(G) returns the center of the graph G.

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Answers 5 (What is this? - 3 points)

1. The built graph (NG):



2. Vertices in order of encounter:

3. How many components when the initial graph has k: