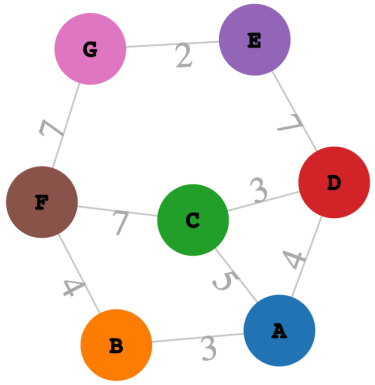
Names: _____ _____ _____

Assignment #5, Dijkstra's Shortest Path Algorithm

1. Compute the shortest path from **D** to all other vertices.



A	B	C	**D**	E	F	G
			0			

You must show your work below to receive full credit. Specifically, show your candidate edges (alphabetically) for each iteration of Dijkstra's Shortest Path Algorithm.

Edges	**Path Lengths**
Iteration 1	
D → A	4
Iteration 2	
C → A	8

2. Why doesn't Dijkstra's work on graphs with negative edges?

Score from AutoGradr: _____