

Name _____

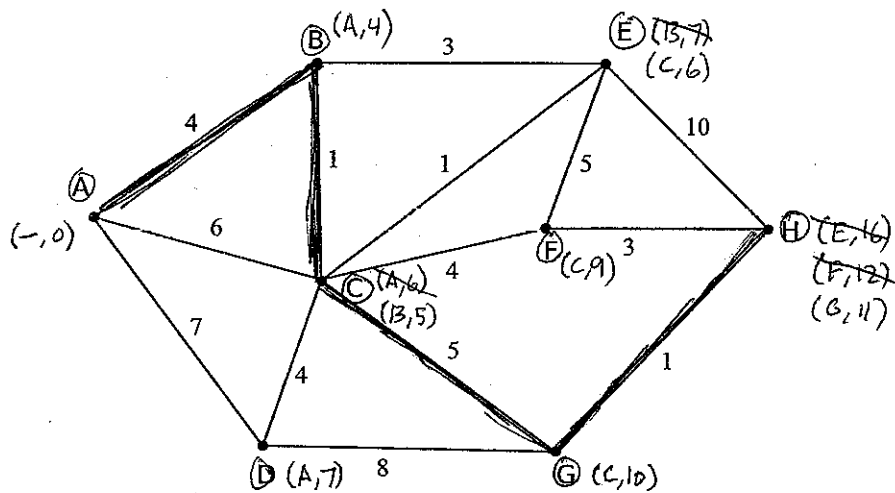
Mathematics 2602

Quiz 8

Prof. Margalit

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Use Dijkstra's algorithm to find the distances from the vertex A to each other vertex, and answer the questions below.



1. In the boxes, record the order in which the vertices were given permanent labels.

1st	2nd	3rd	4th	5th	6th	7th	8th
A	B	C	E	D	F	G	H

1. In the boxes, record the distances from A to each of the vertices.

A	B	C	D	E	F	G	H
0	4	5	7	6	9	10	11

Copy the values from the permanent labels

Describe the shortest path from A to H by specifying the corresponding sequence of vertices.

Retrace steps from H using the labels.

A-B-C-G-H