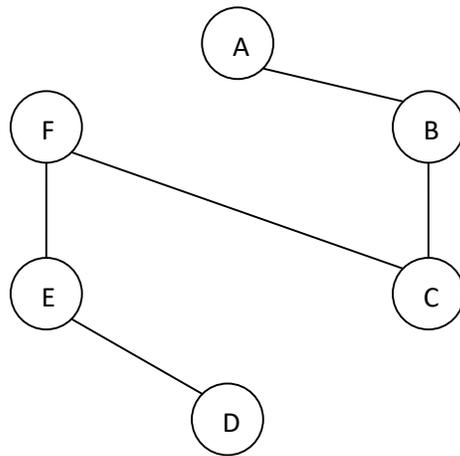


Name: _____

Section: _____

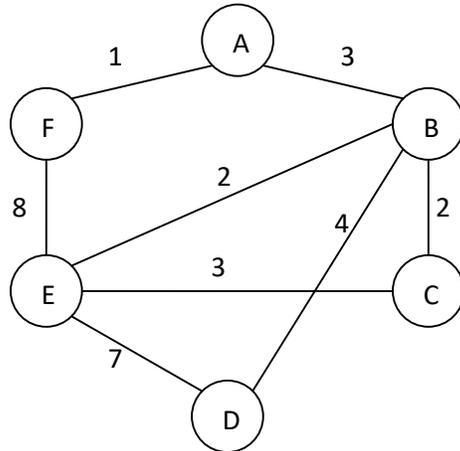
Quiz #6



1. List the vertices in the order they would be visited during a Depth-First Traversal, starting at vertex F. (More than one answer is possible.)

2. List the vertices in the order they would be visited during a Breadth-First Traversal, starting at vertex F. (More than one answer is possible.)

[More on the back page...]



Apply Dijkstra's algorithm using **E** as the starting (source) vertex. Using the tables below, indicate the best known cost/distance and predecessor for each vertex after two successive passes through the algorithm's main (outer) loop. Don't leave any of the boxes blank or you will lose points!

Starting table (filled in for you):

Vertex	A	B	C	D	E	F
Cost	∞	∞	∞	∞	0	∞
Predecessor	-	-	-	-	-	-

Fill in the table below with the best known costs and predecessors after the first pass through the main (outer) loop.

Vertex	A	B	C	D	E	F
Cost						
Predecessor						

Fill in the table below with the best known costs and predecessors after the second pass through the main (outer) loop.

Vertex	A	B	C	D	E	F
Cost						
Predecessor						