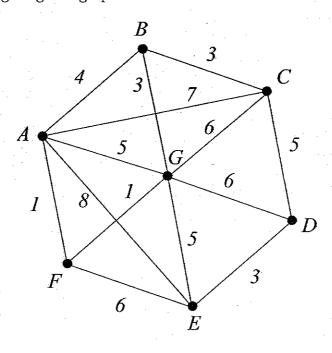
Name	

Mathematics 2602

Quiz 8 Prof. Margalit 2 November 2011

Consider the following weighted graph.



Use Dijkstra's algorithm to find the length of the shortest path from the vertex A to every other vertex. The shortest paths Total weights

	LIM	2 NOT 1521	posins	lotal	Mei
A -3 B:		AB		•	4
A - C:		AFC			2
$A \rightarrow F$:		AF			i
A -> C:		ABC or	AC		7
A -> D:		AFGD			8
A → E:	-	AFGO	AFGE		7

Find all paths of shortest length from A to D.

AFaD