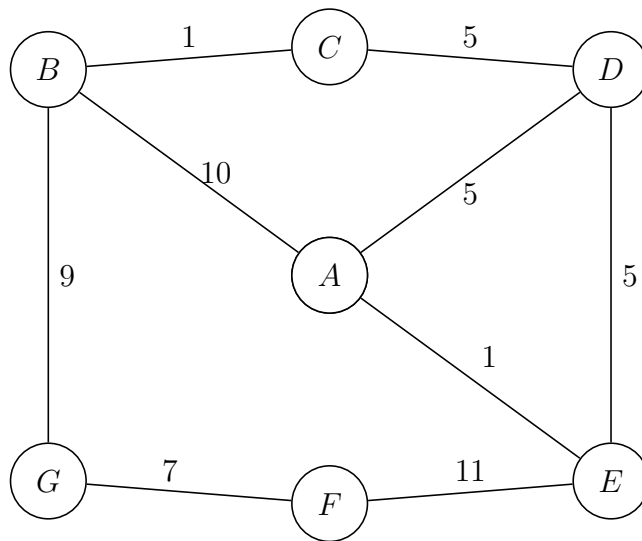
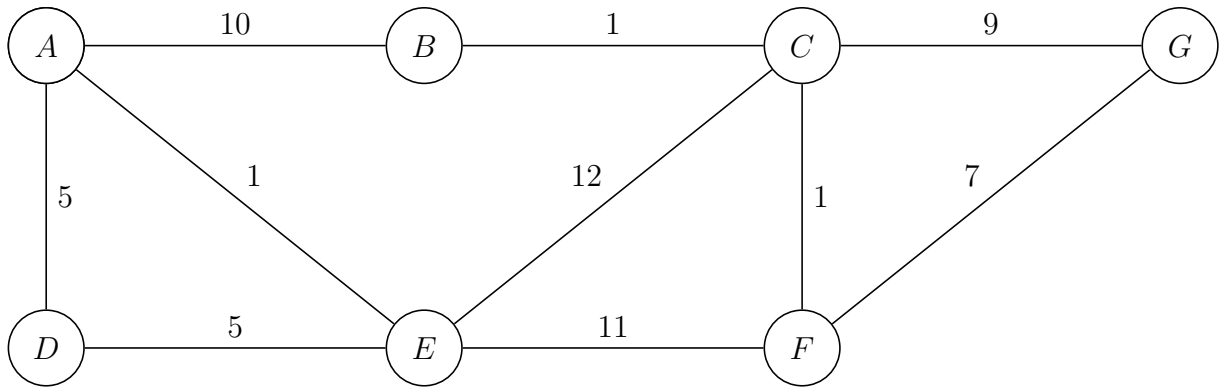


Homework 5

Run Dijkstras algorithm on the following graphs, using vertex A as the source. Compute and show all distances at each step. (It will not necessarily take 8 steps, but it will not take more than 8 steps.)



Step	$A \rightarrow B$	$A \rightarrow C$	$A \rightarrow D$	$A \rightarrow E$	$A \rightarrow F$	$A \rightarrow G$
1						
2						
3						
4						
5						
6						
7						
8						



Step	$A \rightarrow B$	$A \rightarrow C$	$A \rightarrow D$	$A \rightarrow E$	$A \rightarrow F$	$A \rightarrow G$
1						
2						
3						
4						
5						
6						
7						
8						