

**HW 5 Report Guidelines and Format - use the template provided below. Include the questions in your write-up.**

**Name:**

**CS 305 HW 5 Report**

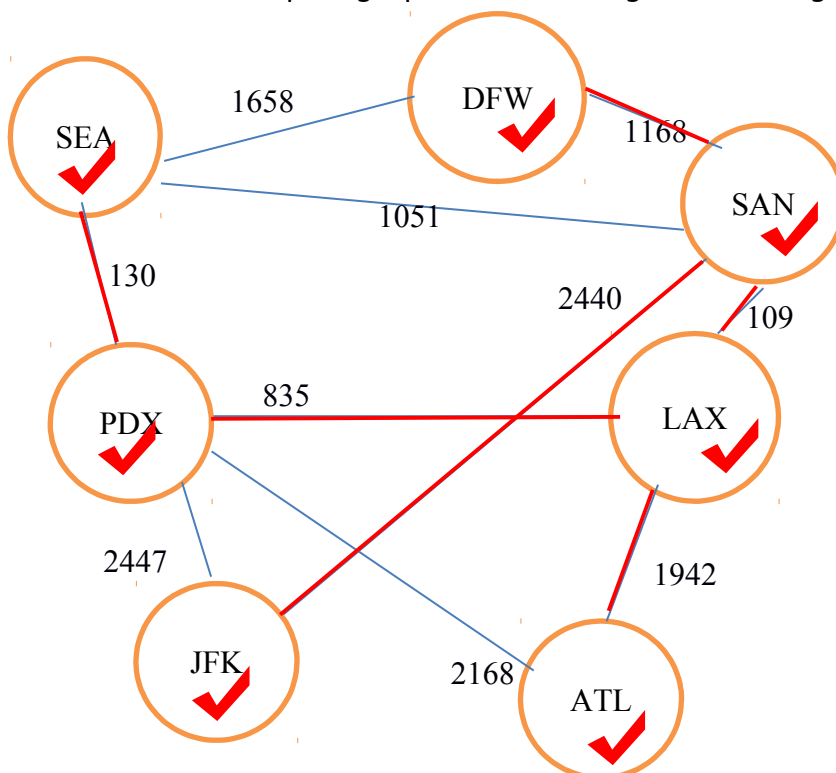
**1. Questions (include these in your write-up):**

1a. (.5 pt) If your program does not meet the specifications, please note the differences and anything that is not working correctly. If it works, write "Meets all specifications."

1b. (1.5 pts, 0.25 pts each) What is the output from your program for the following pairs of cities? (The top row has been done for you.)

Source	Destination	Path	Miles
PDX	MCO	PDX -> ATL -> MCO	2572
LAX	PVD		
ATL	JFK		
SEA	LAX		
PHX	DEN		
PVD	JFK		
DFW	ATL		
MTM	MRI		
HIB	HIO		
INL	ZZV		
WWD	YUM		
YAK	BAF		
AVL	BIF		

2. (1 pt) Use **Prim's** algorithm to find the minimum spanning tree for the following subset of the airport graph. Start the algorithm using vertex LAX.



In your answer, show the final minimum spanning tree edges and all the vertices.