Lab 6 Answer Sheet.

Please complete this answer sheet and turn it in before the due date posted in LEARN.

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| Question | Answer |
| 1  (10 pts) | My graph looks like a kite that’s facing downwards.  Screen shot name: Question-1 |
| 2  (10 pts) | After placing the values for Vertex into the Label column and refreshing my graph labeled each node with its corresponding vertex |
| 3  (8 pts) | We made Betty the largest circle since she has the most connections in the graph |
| 4  (8 pts) | (28)/(90) = .3111 |
| 5  (6 pts) | 1/(2+1+1+1+3+2+1+2+2) = .0667 |
| 6  (6 pts) | 1/(1+2+1+1+2+1+1+1+3) = .0769 |
| 7  (6 pts) | Betty would be able to get the message out the fasted with the fewest intervening ties |
| 8  (6 pts) | By coloring the data it helps to emphasize the connections between each of the nodes a perfect example is coloring Betty’s edges and one can see first hand all her connections.  Screen shot name: Question-8 |

Question 9

(10 pts) **Write up a report to discuss your social network (50-200 words)**:

1. The name and a description of the social network that you chose to examine.
2. The layout algorithm used for the graph.
3. Two observations from the social network analysis and visualization.

I choose to examine SMStudentChat Twitter NodeXL SNA Map and Report for Wednesday, 31st October 2018. The layout is follower based so even if one person is connected to another it doesn’t not guarantee that the person being followed is also following the follower. What I notice first hand on the graph is the shading of the edge’s to show how many connections a user has with their followers. The other observation one can make is the size of the user’s images to show their follower count as well.