Exam 3: Name:_____
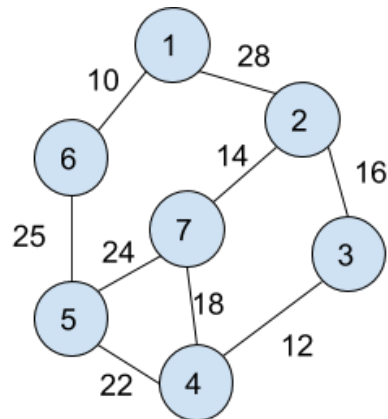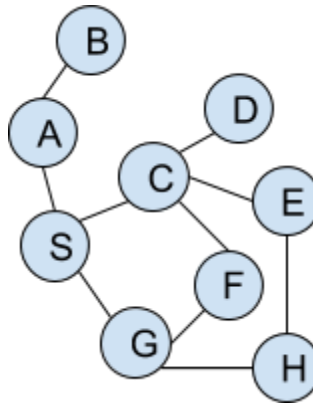
1) (25 pts) Using Prim's algorithm, find a minimum spanning tree starting at 1.

2) List out the visited nodes starting at A for
   a) (25 pts) Depth First Search, use alphabetical order to push onto the stack.
   b) (25 pts) Breadth First Search, use alphabetical order to push onto the queue.

3) (25 pts) Use Dijkstra's algorithm to find the single source shortest path with source = A. I
   want the distance and path (previous = π)