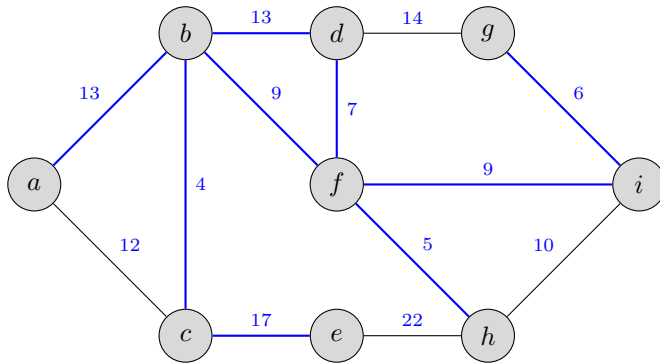Spring 2022

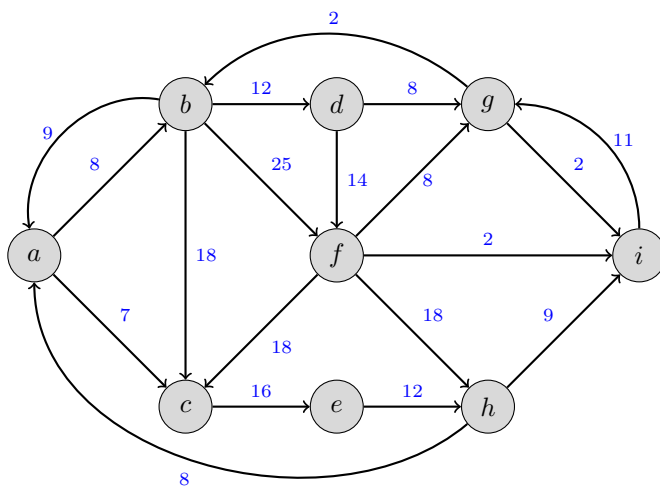# CSE 317: Design and Analysis of Algorithms, Quiz - 4 [Section 4]

Wednesday, April 13, 2022. Total marks: 10 point, Duration: 15 minutes.

Name: _____, Student ID: _____

1. (5 points) Find *minimum cost spanning tree* of the following undirected graph from the starting vertex a. Show the order of edges selected and the minimum cost as well.

2. (5 points) Find *shortest path* to all vertices in the following directed graph from the source vertex a. Show the length of the shortest path and predecessor information on the vertices as well.

Solution: Do it yourself.