## COS226 MST and Shortest Path Activity

1. Consider the directed weighted graph below. Using F as the source vertex give the shortest path first with Dijkstra's algorithm, then with the Acyclic Network algorithm then with Bellman-Ford. Algorithms textbook 4.4



2. Consider the weighted graph below. Give the order in which the edges are added to the minimum spanning tree using Kruskal's algorithm and then using Prim's algorithm starting at vertex A. Algorithms textbook 4.3

