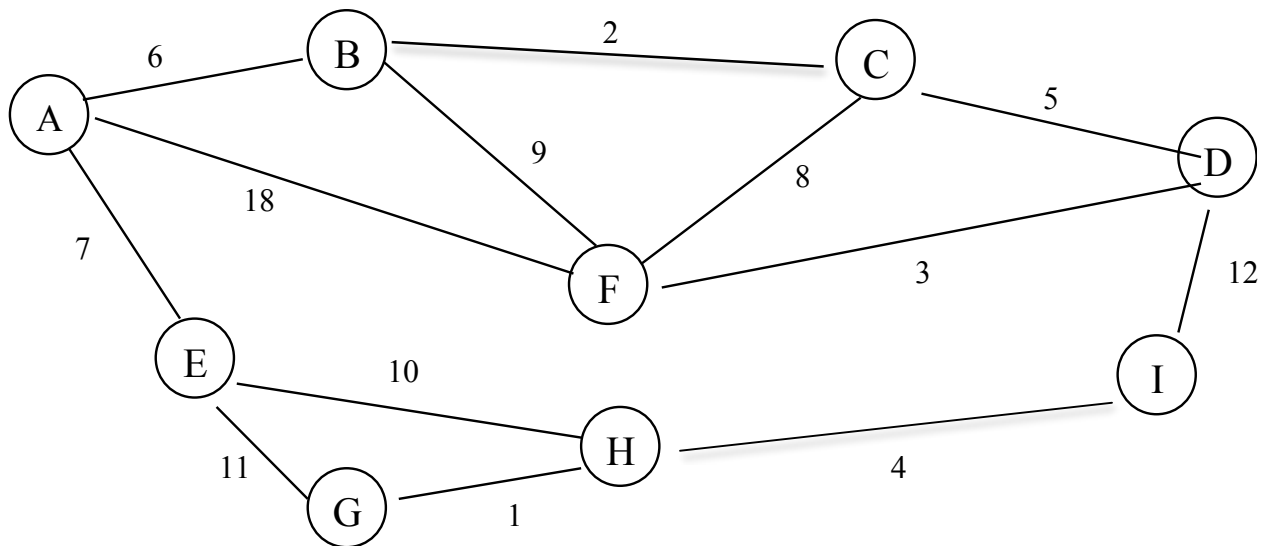# CS 1501 Weighted Graph and Minimum Spanning Tree
Original graph showing edge weights

Minimum spanning tree edges shown in **BOLD**. Note that if the edge weights are unique, then the MST is also unique. However, different algorithms (ex: LazyPrim, Prim, Kruskal) may choose the edges in different orders. Also note that the edges in the MST are not necessarily the V-1 smallest edges in the graph. In particular, note that edge BF (weight 9) and edge CF (weight 8) are not in the MST and are both smaller than edge EH (weight 10) which is in the MST.