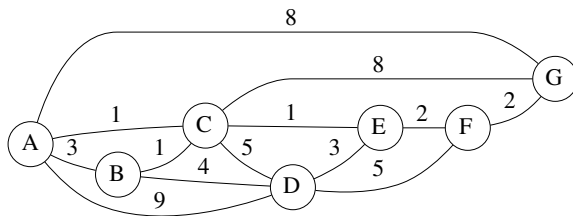


1. Write your name below:

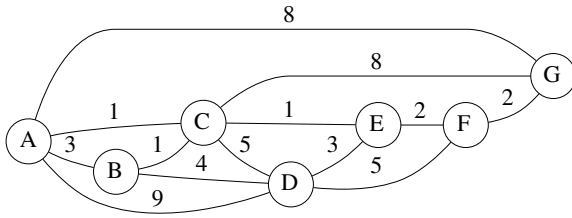
2. Trace the operation of MST-KRUSKAL on the following graph using the conventions of Figure 21.4 (p. 592) of the textbook. In particular:

- depict the state of the algorithm after each iteration of the second for loop;
- highlight edges belong to the forest A using double-lines; and
- draw an arrow pointing to the edge under consideration.



[additional space for earlier material]

3. Trace the operation of MST-PRIM on the graph of Question 2, with initial vertex A , using the conventions of Figure 21.5 (p. 595) of the textbook.



[additional space for earlier material]