10. Determine a spanning tree for the graph shown below.

11. Determine the minimum-cost spanning tree for the following weighted graph.

12. Ron Willing is planning to install a new sprinkler system in his yard. His current system has sprinkler heads already in place as shown in the figure below. The numbers are shown in feet.

   a) Determine the minimum-cost spanning tree that reaches each valve.
   b) If the new sprinklers system materials cost $1.50 per foot, what is the cost of installing the system determined in part (a)?
10. Determine a spanning tree for the graph shown below.

11. Determine the minimum-cost spanning tree for the following weighted graph.

12. Jaclyn is setting up a new computer network for her office. Her current system has computers already in place as shown in the figure below. The numbers are shown in feet.

   a) Determine the minimum-cost spanning tree that reaches each computer.
   b) If the new computer network materials cost $1.60 per foot, what is the cost of installing the system determined in part (a)?
10. Determine a spanning tree for the graph shown below.

11. Determine the minimum-cost spanning tree for the following weighted graph.

12. Kathleen is planning on installing a new computer network at her small business. Her current system has computers already in place as shown in the figure below. The numbers are shown in feet.

   a) Determine the minimum-cost spanning tree that reaches each computer.
   b) If the new networking system materials cost $2.20 per foot, what is the cost of installing the system determined in part (a)?