✕   Use the traceroute to rmksupplies.com

Explanation 🎧

Complete this lab as follows:

1. Check the networking configuration of a Windows workstation.
   a. Right-click **Start** and select **Terminal (Admin)**.
   b. Type **ipconfig** and press **Enter**.
   c. In the top right, select **Questions** and answer question 1.
   d. Minimize the Lab Questions window.
   e. Enter the command **ipconfig /all** and press **Enter**.
   f. Select **Questions** and answer questions 2 and 3.
   g. Minimize the Lab Questions window.

2. Use ping and tracert to explore a Windows workstation's network connectivity.
   a. At the Terminal prompt, type **ping 192.168.0.5** and press **Enter** to verify that the default gateway is reachable.
   b. Type **tracert rmksupplies.com** and press **Enter** to map out the hops to the remote host.
   c. Select **Questions** and answer question 4.
   d. Minimize the Lab Questions window.

3. Connect to a Linux workstation and see how its networking is configured.
   a. In the upper left, select **Network Modeler**.
   b. Right-click the Linux machine named **Support** and select **Launch Linux**.
   c. From the Favorites, select **Terminal**.
   d. Type **ip a** and press **Enter**.
   e. Select **Questions** and answer question 5.
   f. Minimize the Lab Questions window.

4. Use ping and traceroute to explore a Linux workstation's network connectivity.
   a. Type **route** and press **Enter** to find the default route (gateway).
   b. Type **ping -c4 192.168.0.5** and press **Enter**. The gateway is reachable.
   c. Type **traceroute rmksupplies.com** and press **Enter**. Note the number of hops.
   d. Select **Questions** and answer question 6. Compare the answer from question 4 to question 6.
   How and why do they compare?
   e. Minimize the Lab Questions window.

5. Look at the Network Modeler canvas and the Exhibit to explain the network.
   a. In the upper left, select **Network Modeler**.
   b. Trace the traffic from the machine to the ISP_Internet_Router (4 hops).
   How do the ping and tracert/traceroute commands help you to understand the layout of a network?