

Worksheet 13

1. True or False: When an OSPF route sends its link state information, it is sent only to those node directly attached neighbors. Explain.
2. True or False: When a BGP router receives an advertised path from its neighbor, it must add its own identity to the received path and then send that new path on to all of its neighbors. Explain.
3. How does BGP use the NEXT-HOP attribute? How does it use the AS-PATH attribute?
4. Consider the network below in which network W is a customer of ISP A, network Y is a customer of ISP B, and network X is a customer of both ISPs A and C.
 - a. What BGP routes will A advertise to X?
 - b. What routes will X advertise to A?
 - c. What routes will A advertise to C? For each answer provide a one-sentence explanation.

