Tutorial Activity Week 12 NAME:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_

1. At a minimum, which address is required on IPv6-enabled interfaces?

* link-local
* unique local
* site local
* global unicast

1. What is the interface ID of the IPv6 address 2001:DB8::1000:A9CD:47FF:FE57:FE94/64?

* FE94
* FE57:FE94
* 47FF:FE57:FE94
* A9CD:47FF:FE57:FE94
* 1000:A9CD:47FF:FE57:FE94

1. What are three parts of an IPv6 global unicast address? (Choose three.)

* an interface ID that is used to identify the local network for a particular host
* a global routing prefix that is used to identify the network portion of the address that has been provided by an ISP
* a subnet ID that is used to identify networks inside of the local enterprise site
* a global routing prefix that is used to identify the portion of the network address provided by a local administrator
* an interface ID that is used to identify the local host on the network

1. What type of address is automatically assigned to an interface when IPv6 is enabled on that interface?

* global unicast
* link-local
* loopback
* unique local

1. Which type of IPv6 address is not routable and used only for communication on a single subnet?

* global unicast address
* link-local address
* loopback address
* unique local address
* unspecified address

1. Which address type is not supported in IPv6?

* private
* multicast
* unicast
* broadcast

1. Which utility uses the Internet Control Messaging Protocol (ICMP)?

* RIP
* DNS
* ping
* NTP

1. A user calls to report that a PC cannot access the internet. The network technician asks the user to issue the command ping 127.0.0.1 in a command prompt window. The user reports that the result is four positive replies. What conclusion can be drawn based on this connectivity test?

* The PC can access the network. The problem exists beyond the local network.
* The IP address obtained from the DHCP server is correct.
* The PC can access the Internet. However, the web browser may not work.
* The TCP/IP implementation is functional.