**Question 1**

**0 / 1 pts**

Based on the following output, what is the IP address of the router this computer will connect to when attempting to access the Internet?



router IP unavailable



192.168.20.1



192.168.20.12



255.255.255.192

**IncorrectQuestion 2**

**0 / 1 pts**

What is the technical term describing what a layer 2 switch references when determining where to send network frames?



Port to MAC Table



Convergence



Routing Table



Source Address Table (SAT)

**IncorrectQuestion 3**

**0 / 1 pts**

Select the routing protocol that only uses route cost to determine the best path.



BGP



EIGRP



RIPv2



OSPF

**IncorrectQuestion 4**

**0 / 1 pts**

Select the routing protocol that works well in smaller networks and updates routing tables every 30 seconds.



EGP



IGP



RIPv1



RIPv2

**Question 5**

**1 / 1 pts**

What type of routing protocol uses hops and administrator settings to establish route metrics?



EIGRP



Distance vector



BGP



Link state

**Question 6**

**1 / 1 pts**

This routing protocol is considered the "glue of the Internet".



OSPF



EGP



BGP



EIGRP

**IncorrectQuestion 7**

**0 / 1 pts**

True or false: all Internet routers with an Autonomous System Number (ASN) maintain a routing table with all other ASNs.



True



False

**IncorrectQuestion 8**

**0 / 1 pts**

What is the purpose of the tracert command in Windows?



Display round trip time (RTT) between end devices



Set route metrics for BGP routers



Display routers, or hops, between to end devices



Discover Internet Service Provider (ISP) metrics

**IncorrectQuestion 9**

**0 / 1 pts**

Routers live at which layer of the TCP/IP model?



Data link layer



Internet layer



Transport layer



Network layer

**IncorrectQuestion 10**

**0 / 1 pts**

Select the technology that allows an organization to have one public IP address for many private, internal users.



Routing Tables



Port Address Translation (PAT)



Network Address Translation (NAT)



Address Resolution Protocol (ARP)

**Question 11**

**Not yet graded / 2 pts**

Explain the purpose of the default gateway.

Your Answer:

Its used to pass packet information outside of the network to a destination that is unknown by the device.

**IncorrectQuestion 12**

**0 / 1 pts**

True or false: private IP addresses, like 192.168.0.10, are routable on the Internet thanks to our home Internet routers.



True



False

**IncorrectQuestion 13**

**0 / 1 pts**

Select the IP addresses that are routable on the Internet.



59.168.172.10



192.144.144.10



10.100.10.254



172.20.15.133

**Question 14**

**1 / 1 pts**

Based on the following network diagram.  What is the default gateway for the wireless laptop users?



66.129.14.199



172.16.10.1



10.0.5.1



172.16.10.10