


Routing and Switching Essentials (Version 6.00) - RSE 6.0 Chapter 3 Exam

Below is the feedback on items for which you did not receive full credit. Some interactive items may not display your response.

Subscore: Domain Knowledge - Weighted Score 

6 What is a purpose of the network command when configuring RIPv2 as the routing protocol?

Correct Response	Your Response
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- ☒ It immediately advertises the specified network to neighbor routers with a classful mask.
-  ☐ It identifies the interfaces that belong to a specified network.
- ☐ It populates the routing table with the network entry.
- ☐ It specifies the remote network that can now be reached.

The **network** command is used to advertise the directly connected networks of a router. It enables RIP on the interfaces that belong to the specified network.

This item references content from the following areas:

Routing and Switching Essentials

3.2.1 Configuring the RIP Protocol

15 Which two statements are true regarding classless routing protocols? (Choose two.)

Correct Response	Your Response
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- ✓ ☒ sends subnet mask information in routing updates
- ✓ ☐ allows for use of both 192.168.1.0/30 and 192.168.1.16/28 subnets in the same topology
- ☐ reduces the amount of address space available in an organization
- ☐ is supported by RIP version 1
- ☒ sends complete routing table update to all neighbors

This item references content from the following areas:

Routing and Switching Essentials

3.2.1 Configuring the RIP Protocol

20 Which type of route will require a router to perform a recursive lookup?

Correct Response	Your Response
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- | | |
|----------------------------------|---|
| <input checked="" type="radio"/> | a level 1 network route that is using a next hop IP address on a router that is using CEF |
| <input type="radio"/> | a level 2 child route that is using an exit interface on a router that is not using CEF |
| <input type="radio"/> | a parent route on a router that is using CEF |
| ✓ <input type="radio"/> | an ultimate route that is using a next hop IP address on a router that is not using CEF |

When Cisco Express Forwarding (CEF) is not being used on a router, a recursive lookup must be performed when a route using a next-hop IP address is selected as the best pathway to forward data.

This item references content from the following areas:

Routing and Switching Essentials

3.3.3 The IPv4 Route Lookup Process

