Immediately after a router completes its boot sequence, the network administrator wants to check the routers configuration. From privileged EXEC mode, which of the following commands can the administrator use for this purpose? (Choose two.)

- ☐ **show flash**
- ☐ **show NVRAM**
- ☑ **show startup-config**
- ☑ **show running-config**
- ☐ **show version**

2   *Users in the network are experiencing slow response time when doing file transfers to a remote server. What command could be issued to determine if the router has experienced any input or output errors?*

- ☐ **show running-config**
- ☐ **show startup-config**
- ◉ **show interfaces**
- ☐ **show ip route**
- ☐ **show version**
- ☐ **show memory**

3   *Which command is used with an encrypted password to restrict access to the privileged EXEC mode of a Cisco router?*

- ☐ RouterA(config)# **password encrypted cisco**
- ☐ RouterA(config)# **config password encrypted cisco**
- ☐ RouterA(config)# **enable password cisco**
- ◉ RouterA(config)# **enable secret cisco**
- ☐ RouterA(config)# **service-password encryption cisco**

4

Refer to the exhibit. A technician applies the configuration in the exhibit to a clean router. To verify the configuration, the technician issues the show running-config command in the CLI session with the router. What lines should the technician expect to see in the router output from the show running-config command?

- ☐ enable password class
  line console 0
  password ccna
- ☐ enable secret cisco
  enable password class
  line console 0
  password ccna
- ☐ enable secret 5 1v0/3$QyQWmJyT7zCa/yaBRasJm0
  enable password class
  line console 0
  password ccna
- ☐ enable secret cisco
  enable password 7 14141E0A1F17
  line console 0
  password 7 020507550A
- ◉ enable secret 5 1v0/3$QyQWmJyT7zCa/yaBRasJm0
  enable password 7 14141E0A1F17

```
line console 0
password 7 020507550A
```

5 *The console and virtual terminal passwords have been configured in clear text. Which command will apply encryption to these passwords?*

- ⬜ **enable secret**
- ⬜ **password-encrypt**
- 🔘 **service password-encryption**
- ⬜ **enable password-encryption**

6 *What determines the number of simultaneous Telnet connections that can be made to a router?*

- ⬜ There is no maximum.
- ⬜ The subnet mask used on the interface.
- ⬜ The number of TCP ports that have been opened up on the router.
- ⬜ The number of available console and aux ports.
- 🔘 The hardware model and the number of vty ports configured with the **line vty** command.

7

The serial connection shown in the graphic needs to be configured. Which configuration commands must be made on the Sydney router to establish connectivity with the Melbourne site? (Choose three.)

- ☑ Sydney(config-if)# **ip address 201.100.53.2 255.255.255.0**
- ☑ Sydney(config-if)# **no shutdown**
- ☐ Sydney(config-if)# **ip address 201.100.53.1 255.255.255.224**
- ☑ Sydney(config-if)# **clock rate 56000**
- ☐ Sydney(config-if)# **ip host Melbourne 201.100.53.2**

8

The connection between routers B and C has been successfully tested. However, after rebooting router C, the administrator noticed the response time between networks 10.10.3.0 and 10.10.4.0 is slower. Ping between the two routers is successful. A trace route indicates three hops from router B to router C. What else can be done to troubleshoot the problem?

- ⬜ Ping router B S0/1 connection from router C.
- ⬜ Trace the connection between router B to router C S0/1.
- ⬜ Issue a **show ip route** command in router B to verify routing is enabled.
- 🔘 Issue a **show interfaces** command on router C.

9 *What command is used to change the default router name to Fontana?*

- ⬜ Router# **name Fontana**
- ⬜ Router# **hostname Fontana**
- ⬜ Router(config)# **name Fontana**
- 🔘 Router(config)# **hostname Fontana**

10   *Select the true statement regarding the ping and tracert commands.*

- ◉ **Tracrt** shows each hop, while **ping** shows a destination reply only.

- ◯ **Tracert** uses IP addresses; **ping** does not.

- ◯ Both **ping** and **tracert** can show results in a graphical display.

- ◯ **Ping** shows whether the transmission is successful; **tracert** does not.

11

Refer to the exhibit. A network administrator on HostA has problems accessing the FTP server. Layer three connectivity testing was successful from HostA to the S1 interface of RouterB. Which set of commands will allow the network administrator to telnet to RouterB and run debug commands?

- ◯ RouterB(config)# **enable secret class**
  RouterB(config)# **line vty 0 4**
  RouterB(config-if)# **login**

- ◯ RouterB(config)# **enable secret class**
  RouterB(config)# **line vty 0 2**
  RouterB(config-vty)# **password cisco**
  RouterB(config-vty)# **login**

- ◉ RouterB(config)# **enable secret class**
  RouterB(config)# **line vty 0**
  RouterB(config-line)# **password cisco**
  RouterB(config-line)# **login**

- ◯ RouterB(config)# **enable secret class**
  RouterB(config)# **line aux 0**
  RouterB(config-line)# **password cisco**
  RouterB(config-line)# **login**

- ◯ RouterB(config)# **enable secret class**
  RouterB(config)# **line aux 0**
  RouterB(config-vty)# **password cisco**
  RouterB(config-vty)# **login**

12   *What does the tracert command test?*

- ◯ NIC functionality

- ◯ the ISP bandwidth

- ◉ the network path to a destination

- ◯ the destination application functionality