# 1. Answer the following questions:

|  |  |
| --- | --- |
| Each router has \_2\_ PVCs. | two |

# 2. For each router, show the output of the show ip interface brief command:

|  |
| --- |
| **Output from Router1:** |
|  |
| **Output from Router2:** |
|  |
| **Output from Router3:** |
|  |

# 3. For each router, show the output of the show ip route command:

|  |
| --- |
| **Output from Router1:** |
|  |
| **Output from Router2:** |
|  |
| **Output from Router3:** |
|  |

# 4. For each router, run the show run command, and take screenshots of the parts showing the interface configurations and the part showing the RIP configuration. Do not include the rest of the config file. There will be a 10% penalty if you simply paste a screenshot of the entire config file.

|  |
| --- |
| **Output from Router1:** |
|  |
| **Output from Router2:** |
|  |
| **Output from Router3:** |
|  |

# 5. From each router, ping all the interfaces on networks that are not directly connected to the router. For example, from Router1 you should ping 12.0.0.1, 13.0.0.1, 10.0.0.1 and 10.0.0.2. Take one screenshot showing the 4 ping results. There will be a 10% penalty if the screenshot contains irrelevant information.

|  |
| --- |
| **Output from Router1:** |
|  |
| **Output from Router2:** |
|  |
| **Output from Router3:** |
|  |

# 6. Take a screenshot of your frame relay switch mapping table and the GNS3 network topology. Use the screenshot feature in GNS3 (click File, Take a screenshot).

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| --- |
| **Frame relay switch mapping table:** |
|  |
| **GNS3 Network Topology:** |
| Diagram  Description automatically generated |