Week 8 Project Worksheet

|  |  |  |
| --- | --- | --- |
|  | Points Possible | Points Awarded |
| 1. Open the CLI page of R1. Explore the different commands for IPv6. Run the “show ipv6 interface brief command.” Do you notice anything different than the “show ip int br” command? Run the “show ipv6 route” command. What routes are currently displayed? Run the “show ipv6 ospf 1 neighbors” command. Is this information valuable? Attempt to ping the R3 router (ping ipv6 FEC0::6). | | |
|  | 2 |  |
| 1. Open the CLI page of R2. Run the same commands as you ran on R1. Run the “show ipv6 eigrp topology” command. Are the results from “show ipv6 routes” any different than you from R1? Why do both ospf and eigrp commands work on this router? Run the “show ipv6 eigrp neighbors” command. Paste results below. | | |
|  | 2 |  |
| 1. Add PCs to the gi0/1 interfaces of R1 and R3. Configure interfaces as follows: | | |
| |  |  |  | | --- | --- | --- | | Device | Interface | IPv6 Address | | PC0 | fa0 | 2001:1::2 | | R1 | gi0/1 | 2001:1::1 | | R3 | gi0/1 | 2001:2::1 | | PC1 | fa0 | 2001:2::2 | | 3 |  |
| 1. Configure IPv6 Routing on the R1 and R3 gi0/0 interfaces. Run the “show ipv6 route” command on R1. Which networks have been added to the route table? Post the results below. | | |
| Text  Description automatically generated | 2 |  |
| 1. Ping PC1 from PC0. Post the successful results below. | | |
| Replace this shape with a snip of PC0 showing successful ping to PC1 | 1 |  |
| Total Points | 10 |  |