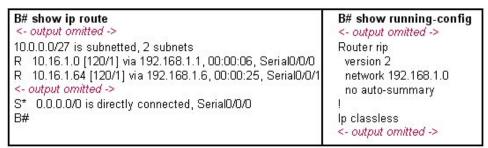
NAME: _____ DATE: _____ Northampton Community College CISC267 – CCNA 2 - Chapter 8 Study Guide

- 1. Why would you use the debug command?
- 2. Explain the packet forwarding process performed by a router.
- 3. What is meant by a "parent" router? A "child" route? An "ultimate" network route?
- 4. What is *ip classless*? Does a router handle packets differently?



5.

If router B receives a packet destined for 10.16.1.131, what will it do?

- 6. A network is converged and the routing tables are complete. When a packet needs to be forwarded, what is the first criterion used to determine the best path in the routing table?
- 7. By looking at a routing table, how would you distinguish between router learned from RIPv1 and RIPv2?
- 9. What criteria is used by a router to choose a path to the same destination learned from different routing protocols?