

## Quiz on Module 1: MPLS Fundamentals

3 Marks total

Name: \_\_\_\_\_

1. [1 mark; all-or-nothing] Module 1 introduced a set of seven (7) "drivers" for MPLS technology (plus another one that has ceased to be valid). Give at least 4 of the drivers for the list. (Ref: Module 1, slide 10)

- Improving forwarding performance
- Traffic Engineering applications
- Building High Available Networks
- Consolidation of Services over a common infrastructure
- Delivering Layer 2 and Layer 3 Services
- Triple Play Solutions
- Building a BGP Free Core

2. [1 mark; all-or-nothing] Name the three general types of VPN services that use MPLS for their infrastructure. (Note: saying "L1", "L2", "L3" isn't enough!)

- VPWS; examples include epipe, apipe (ref: Mod 1, slide 17)
- VPLS, or virtual switch (ref: Mod 1, slide 18)
- VPRN, or virtual router (ref: Mod 1, slide 19)

3. [1 mark; all-or-nothing] Fill in the missing labels for either the top row or the bottom row in the diagram below. (Ref: Module 1, slide 27)

**Top row** = MPLS role; **Bottom row** = function within provider/customer network

