Part 1:

Step 1:

1. show interfaces
2. show interface serial 0/0/0
3. 1) 209.165.200.225

2) 1544 Kilobits

1. 1) there is no IP address listed but we can assume it’s the same as the switch as that’s the device connected to it

2) 000d.bd6c.7d01

3) 1000000 kilobits

Step 2:

1. show ip interfaces brief
2. 1) 2 each

2) 6 for R1 2 for R2

3) gigabitethernet (1000 megabits) is faster than fastethernet (100 megabits)

Step 3:

1. show ip route
2. 1) there is 1 route using the C code

2) 209.165.200.224/30 is directly connected, Serial0/0/0

3) If a network is not listed then the packet will be dropped

Part 2:

Step 3: cop r st

Part 3:

Step 1:

1. Both has 3
2. 1) there is 3 on each router

2) there is 2 on each router

3) 1 WAN(the whole thing) and 4 LANS(each PC separated by a switch)

4) yes, both equal 5

Step 2: 

