**PC1 commands**

C:\>ping 172.31.0.254

C:\>ping 172.31.1.190

C:\>ping 172.31.0.254

C:\>ping 172.31.1.190

**PC2 commands**

C:\>ping 172.31.1.126

C:\>ping 172.31.1.190

**PC3 commands**

C:\>ping 172.31.1.126

C:\>ping 172.31.0.254

**R1 commands**

R1>enable

R1#configure terminal

R1(config)#ip route 172.31.0.0 255.255.255.0 172.31.1.193

R1(config)#ip route 172.31.1.196 255.255.255.252 172.31.1.193

R1(config)#ip route 172.31.1.128 255.255.255.192 172.31.1.193

**R2 commands**

R2>enable

R2#configure terminal

R2(config)#ip route 172.31.1.0 255.255.255.128 Se0/0/0

R2(config)#ip route 172.31.1.128 255.255.255.192 Se0/0/1

R2(config)#exit

R2#show ip route connected

R2#show ip route static

R2#show ip route

**R3 commands**

R3>enable

R3#configure terminal

R3(config)#ip route 0.0.0.0 0.0.0.0 Se0/0/1

R3(config)#exit

R3#show ip route