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[Fall 233 CSE 324/CSE 3712 \(B\)](#)

[14 December - 20 December](#)

[Quiz-NAT & Routing](#)

**Started on** Friday, 15 December 2023, 9:06 PM

**State** Finished

**Completed on** Friday, 15 December 2023, 9:16 PM

**Time taken** 9 mins 24 secs

**Marks** 4.50/5.00

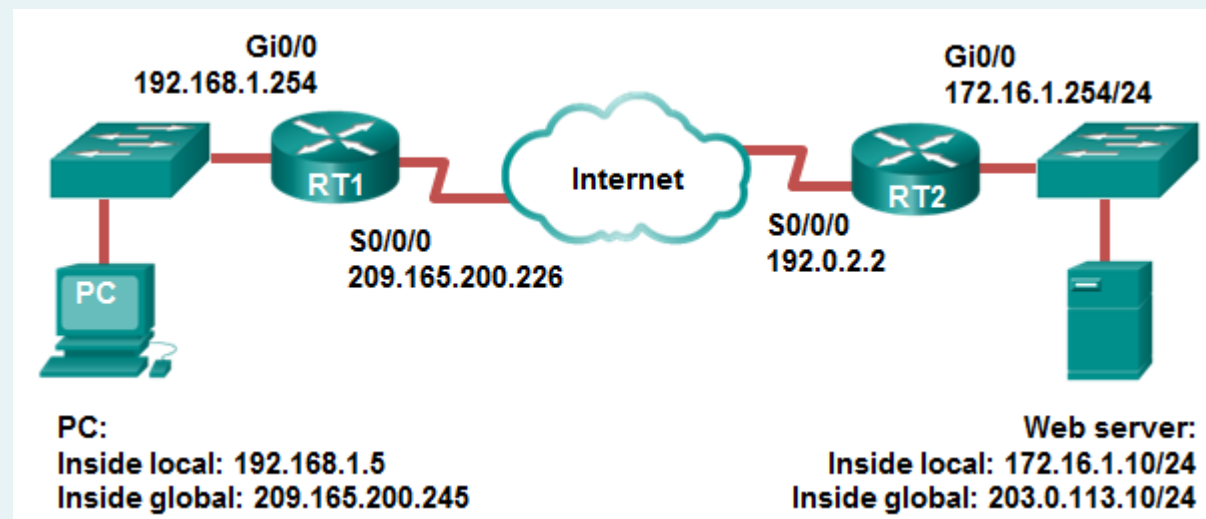
**Grade** 9.00 out of 10.00 (90%)

## Question 1

Complete

Mark 1.00 out of 1.00

Refer to the exhibit. NAT is configured on RT1 and RT2. The PC is sending a request to the webserver. What IPv4 address is the source IP address in the packet between RT2 and the webserver?



Select one:

- ☐ a.  
192.168.1.5
- ☐ b.  
172.16.1.254
- ☒ c.  
209.165.200.245
- ☐ d.  
172.16.1.10
- ☐ e.  
203.0.113.10

The correct answer is:  
209.165.200.245

## Question 2

Complete

Mark 1.00 out of 1.00

You have the following routing table. How many Remote Connect Network through RIP in this Router?

```
R    192.168.30.0/24 [120/1] via 192.168.40.1, 00:00:12, Serial0
C    192.168.40.0/24 is directly connected, Serial0
     172.16.0.0/24 is subnetted, 1 subnets
C    172.16.30.0 is directly connected, Loopback0
R    192.168.20.0/24 [120/1] via 192.168.40.1, 00:00:12, Serial0
R    10.0.0.0/8 [120/15] via 192.168.40.1, 00:00:07, Serial0
C    192.168.50.0/24 is directly connected, Ethernet0
```

```
S*   0.0.0.0/0 [1/1] via 192.168.41.1, 00:00:07, Serial2
```

Select one:

- ☒ a.  
3
- ☐ b.  
1
- ☐ c.  
4
- ☐ d.  
2

The correct answer is:

3

Question **3**

Complete

Mark 1.00 out of 1.00

Which command displays the routing table?

Select one:

- ☐ a.  
*show ip int*
- ☐ b.  
*show run*
- ☐ c.  
*show protocols*
- ☒ d.  
*show ip route*

The correct answer is:

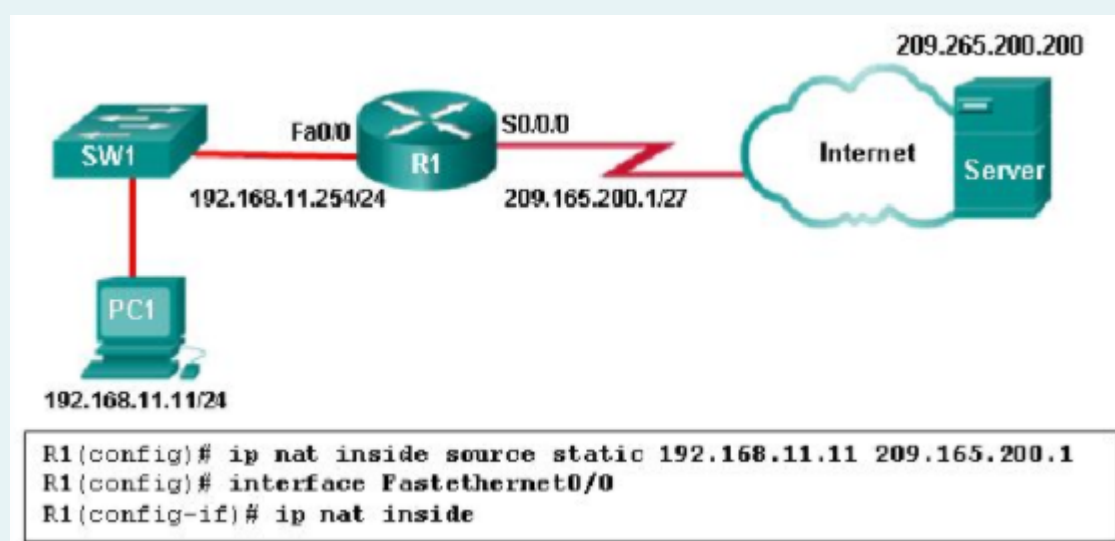
*show ip route*

## Question 4

Complete

Mark 1.00 out of 1.00

Refer to the exhibit. What has to be done in order to complete the static NAT configuration on R1?



Select one:

- ☐ a.  
R1 should be configured with the command `ip nat inside source static 209.165.200.1 192.168.11.11`.
- ☒ b.  
Interface S0/0/0 should be configured with the command `ip nat outside`.
- ☐ c.  
Interface Fa0/0 should be configured with the command `no ip nat inside`.
- ☐ d.  
R1 should be configured with the command `ip nat inside source static 209.165.200.200 192.168.11.11`.

The correct answer is:

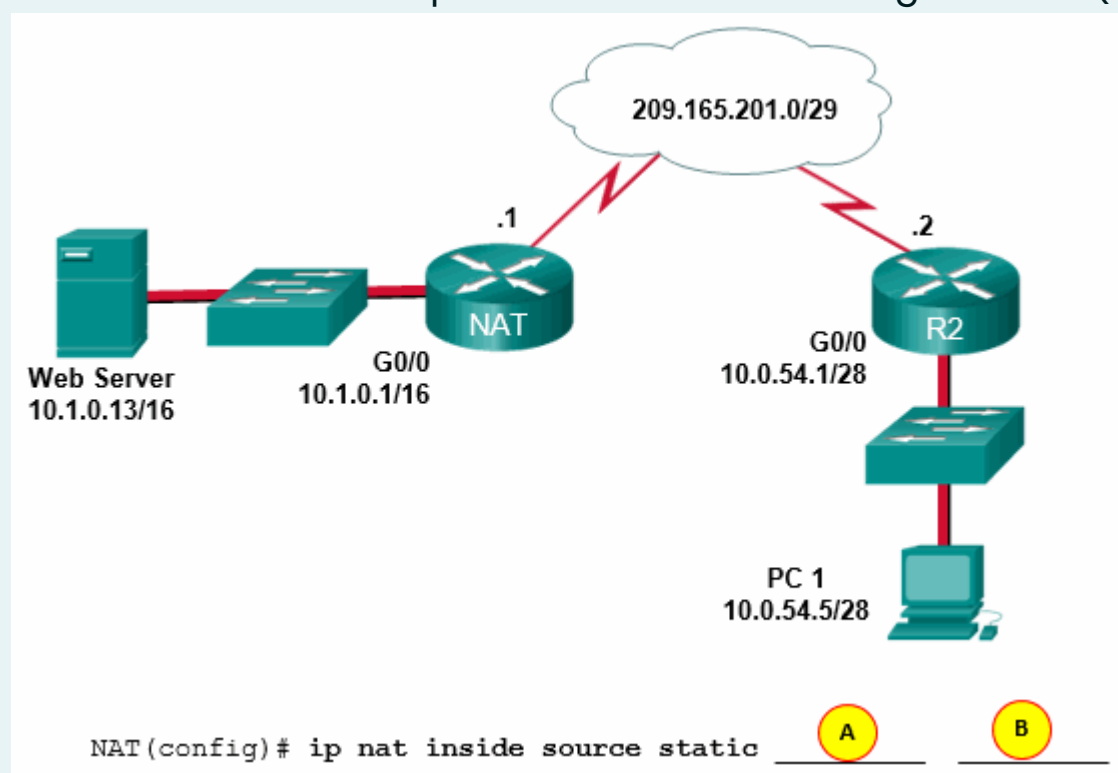
Interface S0/0/0 should be configured with the command `ip nat outside`.

## Question 5

Complete

Mark 0.50 out of 1.00

Refer to the exhibit. Static NAT is being configured to allow PC 1 access to the web server on the internal network. The Public Network Address 201.166.128.0/29. Now, what two addresses are needed in place of A and B to complete the static NAT configuration? (Choose two.)



Select one or more:

- ☒ a.  
A = 10.1.0.13
- ☒ b.  
B = 209.165.201.7
- ☐ c.  
B = 201.166.128.1
- ☐ d.
- ☐ e.  
B = 10.0.254.5  
B = 10.0.254.5

The correct answers are:

B = 201.166.128.1,

A = 10.1.0.13

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