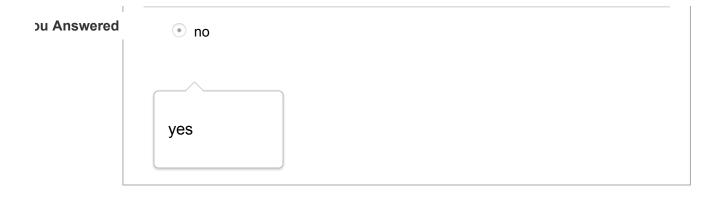
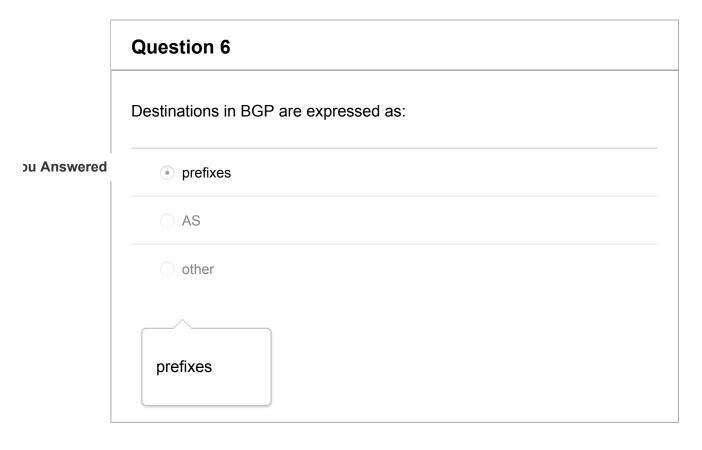
Lecture 9 (2/18) Self Test

Questions 12 **Due** Feb 25 at 5pm Points 1 Available Feb 18 at 5pm - Jun 1 at 5pm 3 months Time Limit None Score for this survey: 1 out of 1 * Submitted Feb 24 at 12:14am This attempt took 2 minutes. **Question 1** Did you understand how hierarchical addressing improves routing scalability? ou Answered yes O no **Question 2** Did you understand how business relationships between ASes impact interdomain route selection? ou Answered yes O no sort of

	Question 3			
	Did you understand how the Spanning Tree Protocol works (STP)?			
ı Answered	• yes			
	○ no			
L				
	Question 4			
	What range of addresses is covered by the prefix 128.8.16.0/20?			
Answered	128.8.16.0 - 128.8.16.255			
	128.8.16.0 - 128.8.20.255			
	128.8.16.0 - 128.8.24.255			
	128.8.16.0 - 128.8.31.255			
	128.8.16.0 - 128.8.31.255			
_				
	Question 5			
	Can BGP lead to domains not being able to reach other domains?			
	can be read to demaine not being able to readifficited demains:			

o yes





	Question 7 Paths in BGP are expressed in terms of:	
	Paths in BGP are expressed in terms of:	
	prefixes	
ou Answered	ASes	
	other	

ASes

The 10.0.0.0/8 network is twice as big as 10.0.0.0/16 in terms of the potential number of hosts in the network True False False

	Question 9
	The potential benefits of multi-homing include (select all that apply)
ou Answered	✓ Higher availability
ou Answered	✓ Higher throughput
	☐ Fewer routing entries
	Answer: Higher availability and higher throughput

Which of the following can improve routing scalability as measured by the number of routing entries Hierarchical addressing An AS graph in which each AS has at most one provider As AS graph in which each AS has multiple providers Hierarchical addressing and An AS graph in which each AS has at most one provider (because this means there's no multi-homing)

	Question 11					
	Which of the following statements is true:					
ou Answered	An AS will transit traffic to/from its customers					
	☐ An AS will transit traffic from a provider to a peer					
ou Answered	✓ An AS will transit traffic from a provider to a customer					
ou Answered	✓ An AS will transit traffic from a peer to another peer					

An AS will transit traffic to/from its customers

and

An AS will transit traffic from a provider to a customer

Question 12

Consider 5 ASes: A, B, C, D and E with the following business relationships between them: (i) A is B's provider, (ii) B and C are peers, (iii) B is D's provider, (iv) C is E's provider. Which of the following paths conform to our principles of "routing follows the money".

ou Answered

✓ A-B-D		
☐ A-B-C-E		
□ D-B-C-E		
A-B-D		
and		
D-B-C-E		

This survey score has been manually adjusted by +1.0 points.