How is authentication different from authorization?	1/1 point
○ They're the same thing.	
Authentication is verifying access to a resource; authorization is verifying an identity.	
Authentication is identifying a resource; authorization is verifying access to an identity.	
Authentication is verifying an identity; authorization is verifying access to a resource.	
 Correct Right on! Authentication is proving that an entity is who they claim to be, while authorization is determining whether or not that entity is permitted to access resources. 	
What are some characteristics of a strong password? Check all that apply,	1/1 point
✓ Is at least eight characters long	
Correct You got it! A strong password should contain a mix of character types and cases, and should be relatively long at least eight characters, but preferably more.	
☐ Contains dictionary words	
☐ Is used across accounts and systems	
✓ Includes numbers and special characters	
Correct You got it! A strong password should contain a mix of character types and cases, and should be relatively long at least eight characters, but preferably more.	
In a multi-factor authentication scheme, a password can be thought of as:	1/1 point
something you know.	
osomething you are.	
osomething you use.	
osomething you have.	
 Correct Wohoo! Since a password is something you memorize, it's something you know when talking about multi-factor authentication schemes. 	
What are some drawbacks to using biometrics for authentication? Check all that apply.	1 / 1 point
☐ Biometrics are easy to share.	
✓ There are potential privacy concerns.	
Correct That's exactly right! If a biometric characteristic, like your fingerprints, is compromised, your option for changing your "password" is to use a different finger. This makes "password" changes limited. Other biometrics, like iris scans, can't be changed if compromised. If biometric authentication material isn't handled securely, then identifying information about the individual can leak or be stolen.	
✓ Biometric authentication is difficult or impossible to change if compromised.	
Correct That's exactly right! If a biometric characteristic, like your fingerprints, is compromised, your option for changing your "password" is to use a different finger. This makes "password" changes limited. Other biometrics, like iris scans, can't be changed if compromised. If biometric authentication material isn't handled securely, then identifying information about the individual can leak or be stolen.	
☐ Biometric authentication is much slower than alternatives.	

5.	In wh	hat way are U2F tokens more secure than OTP generators?	1/1 point
	① 1	They're resistant to phishing attacks.	
	0	They're password-protected.	
	0	They can't be cloned.	
	0	They're cheaper.	
	⊘	Correct Great job! With one-time-password generators, the one-time password along with the username and password can be stolen through phishing. On the flip side, U2F authentication is impossible to phish, given the public key cryptography design of the authentication protocol.	
6.	What	t elements of a certificate are inspected when a certificate is verified? Check all that apply.	1/1 point
	✓ '	"Not valid before" date	
	⊘	Correct Yep! To verify a certificate, the period of validity must be checked, along with the signature of the signing certificate authority, to ensure that it's a trusted one.	
		Certificate key size	
	<u></u>	"Not valid after" date	
	0	Correct Yep! To verify a certificate, the period of validity must be checked, along with the signature of the signing certificate authority, to ensure that it's a trusted one.	
		Trust of the signatory CA	
	⊘	Correct Yep! To verify a certificate, the period of validity must be checked, along with the signature of the signing certificate authority, to ensure that it's a trusted one.	
7.	What	t is a CRL?	1/1 point
	0	Certified Recursive Listener	
	0	Certificate Recording Language	
	0	Caramel Raspberry Lemon	
	•	Certificate Revocation List	
	⊘	Correct Good job! CRL stands for "Certificate Revocation List." It's a list published by a CA, which contains certificates issued by the CA that are explicitly revoked, or made invalid.	
8.	What	t are the names of similar entities that a Directory server organizes entities into?	1/1 point
	0	Groups	
	_	Trees	
	• •	Organizational Units	
		Clusters	
	⊘	Correct	
	J	Awesome! Directory servers have organizational units, or OUs, that are used to group similar entities.	

The or laise. The Network Access Server handles the actual authentication in a INDIOS scheme.	1/1 point
○ True	
● False	
Correct Nice work! The Network Access Server only relays the authentication messages between the RADIUS server and the doesn't make an authentication evaluation itself.	e client; it
10. True or false: Clients authenticate directly against the RADIUS server.	1/1 poin
○ True	
 Correct Correct! Clients don't actually interact directly with the RADIUS server; the authentication is relayed via the Networ Server. 	·k Access
11. What does a Kerberos authentication server issue to a client that successfully authenticates?	1/1 poin
○ A master password	
An encryption key	
A ticket-granting ticket	
A digital certificate	
Correct Exactly! Once authenticated, a Kerberos client receives a ticket-granting ticket from the authentication server. This then be presented to the ticket-granting service in order to be granted access to a resource.	TGT can
12. What advantages does single sign-on offer? Check all that apply.	1/1 pain
	1/1 poin
✓ It reduces time spent authenticating.	
Correct You nailed it! SSO allows one set of credentials to be used to access various services across sites. This reduces the to number of credentials that might be otherwise needed. SSO authentication also issues an authentication token after authenticates using username and password. This token then automatically authenticates the user until the token users don't need to reauthenticate multiple times throughout a work day.	er a user
✓ It reduces the total number of credentials,	
You nailed it! SSO allows one set of credentials to be used to access various services across sites. This reduces the to number of credentials that might be otherwise needed. SSO authentication also issues an authentication token after authenticates using username and password. This token then automatically authenticates the user until the token users don't need to reauthenticate multiple times throughout a work day.	er a user
☐ It provides encrypted authentication.	
☐ It enforces multifactor authentication.	
13. What does OpenID provide?	1/1 poin
Cryptographic hashing	
O Digital signatures	
Certificate signing	
Authentication delegation	
Correct York OpenID allows authentication to be delegated to a third party authentication consider	