1.	What advantage does Federated Learning give you?	1 / 1 point
	User data can remain private on their device but still be used to train models	
	Users can have models trained on everybody's data	
	Models can be frequently updated	
	All of the above	
	✓ Correct	
2.	What is the privacy principle of focused collection?	1 / 1 point
	O Data is filtered by the network to remove all irrelevant data	
	Oevices filter all the data from the server to only use updates	
	Engineer filters all the data to get only what she needs for a calculation	
	Devices report only the data needed for a specific computation	
	✓ Correct	
3.	What is secure aggregation?	1 / 1 point
	Oata is aggregated before being sent to the server, and only sent on encrypted channels	
	Oevices in a network pair up, and aggregate mutual data before sending to the server	
	O Data is aggregated on the device before sending to the server, and sent on an encrypted channel	
	 Devices in a network pair up, and create obfuscation keys that get cancelled out when aggregated on the server 	

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l.	TensorFlow Federated includes a Federated Learning API, a Federated Core API and a runtime for simulations. What's the role of the Federated Learning API?	0 / 1 point
	It is the API for everything Federated Learning	
	It's designed to allow the expression of new Federated algorithms	
	 It contains implementations of federated training that can be applied to existing tensorflow models and data 	
	O It is a mobile runtime for Federated Learning	
	Incorrect	
	If you want to declare a federated type, where a numeric item of data is available across all your devices, how do you do it?	1 / 1 point
	You declare the type as {float32}@server	
	You declare the type as {float32}@clients	
	Each device needs the same variable name and type	
	You can't do this for privacy reasons, you have to declare it when submitting to the server	
	✓ Correct	

6.	If you want to do a federated computation on the server, what do you need to do to your computation function?	1 / 1 point
	Attribute the function with @federated	
	Attribute the function with @tff.federated_computation	
	Nothing, it will just work automatically	
	Make sure it returns its value to @Clients	
	✓ Correct	
7.	You want to return a mean value of client values, calculated on the server, back to the clients. How do you do this?	1 / 1 point
	O You have to explicitly open a network pipe and send the value to all of the clients using it	
	The return value from your function is automatically mapped to the clients	
	O You can't do this for privacy reasons	
	You have to use a tff.federated_mean to calculate the value and return its results	
	✓ Correct	
8.	If you want to try the tensorflow federated APIs, how do you install them for Python?	1 / 1 point
	O Pip install tf-federated	
	O Pip install tensorflow-federated	
	On nothing, they're included in TensorFlow	

Pip install tensorflow federated