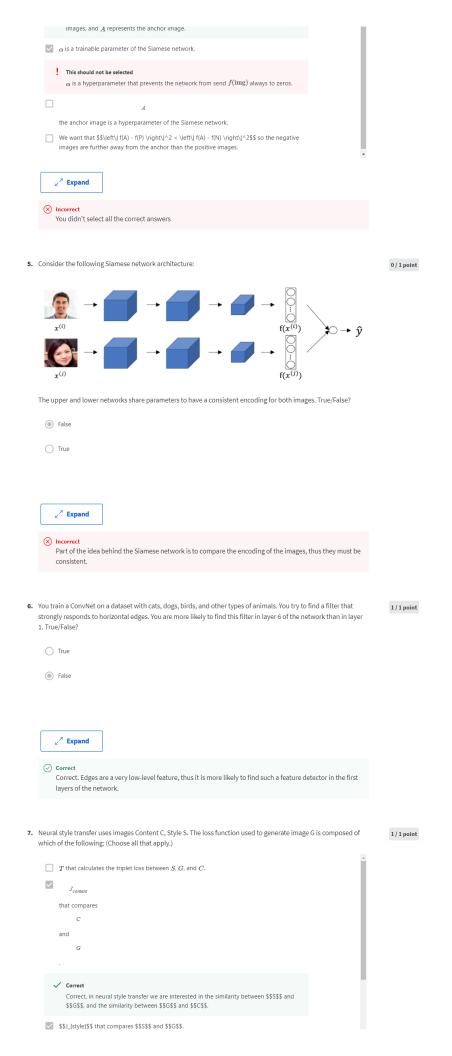
Congratulations! You passed!

Grade received 80% Latest Submission Grade 80% To pass 80% or higher

Go to next item

1.	Face verification requires comparing a new picture against one person's face, whereas face recognition requires comparing a new picture against K persons' faces.	1 / 1 point
	True	
	○ False	
	∠ ⁸ Expand	
	Correct.	
2.	You want to build a system that receives a person's face picture and determines if the person is inside a workgroup. You have pictures of all the faces of the people currently in the workgroup, but some members might leave, and some new members might be added. Which of the following do you agree with?	1/1 point
	It is best to build a convolutional neural network with a softmax output with as many outputs as members of the group.	
	This can be considered a one-shot learning task.	
	✓ Correct Correct. Since we might have only one example of the person we want to recognize.	
	extstyle ext	
	Correct Correct. Since this is a one-shot learning task this function will allow us to compare two images to verify identity.	
	This can't be considered a one-shot learning task since there might be many members in the workgroun Loading [Mathlast/Jax/output/CommonHTML/Jax/st	
	∠ ⁿ Expand	
	⊙ Correct Great, you got all the right answers.	
3.	You want to build a system that receives a person's face picture and determines if the person is inside a workgroup. You have pictures of all the faces of the people currently in the workgroup, but some members might leave, and some new members might be added. To train a system to solve this problem using the triplet loss you must collect pictures of different faces from only the current members of the team. True/False?	1/1 point
	False	
	∠ ⁿ Expand	
	 Correct Correct. Although it is necessary to have several pictures of the same person, it is not absolutely necessary that all the pictures only come from current members of the team. 	
4.	In the triplet loss:	0 / 1 point
	$\max\left(\left\ f(A)-f(P)\right\ ^2-\left\ f(A)-f(N)\right\ ^2+\alpha,0\right)$	
	Which of the following are true about the triplet loss? Choose all that apply.	
	\checkmark $f(A)$ represents the encoding of the Anchor.	

Correct. \boldsymbol{f} represents the network that is in charge of creating the encoding of the



dimensions specified don't match up.

∠⁷ Expand

⊘ Correct

Correct, you have used the formula $\lfloor \frac{n^{[l-1]}-f+2\times p}{s} \rfloor+1=n^{[l]}$ over the three first dimensions of the input data.