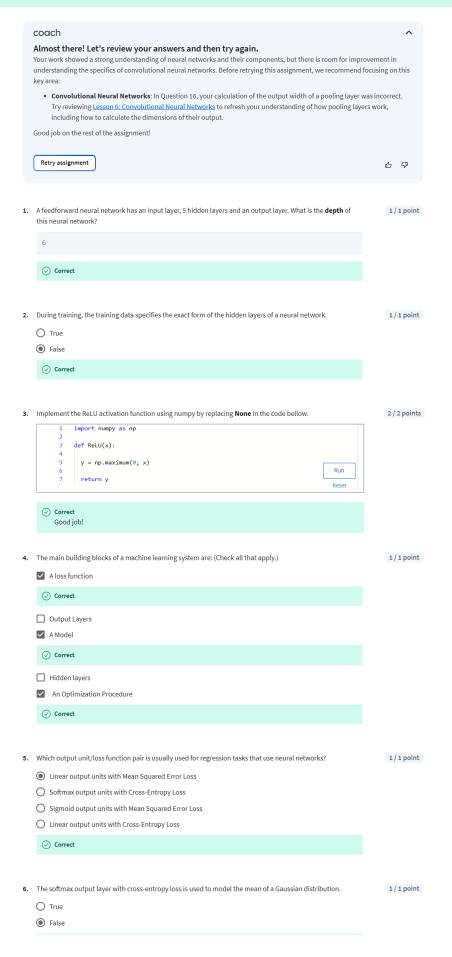


## Your grade: 90%

Your latest: 90% • Your highest: 90% • To pass you need at least 80%. We keep your highest score.





<b>⊘</b> Correct				
7. Which of the following mig	ght be used as a stopping cor	ndition for gradient desc	cent. (Check all that apply.)	1/1 point
☐ The value of the traini		Ü	1177	
✓ The number of iteration	_			
<b>⊘</b> Correct				
The number of enough				
✓ The number of epoch	s			
<b>⊘</b> Correct				
The magnitude of the	change in parameter values			
<b>⊘</b> Correct				
▼ The magnitude of cha	nge in loss function value			
8. How are neural network <b>b</b>	1/1 point			
Initialized to 0.				
O Initialized to -1.	fk dd   disk			
	from a standard normal dist from a standard uniform dis			
	nom a standard uniform dis	uibuuoii.		
<b>⊘</b> Correct				
	-	unction with respect to	the parameter results in less	1/1 point
than linear return in accur	acy of this estimate.			
True				
○ False				
<b>⊘</b> Correct				
10. You are working on a self-	driving car project and want	to train a neural networ	k to perform traffic sign	1/1 point
	mages with corresponding t ning. Given that you have ar		ant to determine the number of es with labels, what	
-	data split would you use?			
O 60% training, 20% val	idation, 20% testing.			
20% training, 40% val	idation, 40% testing.			
96% training, 2% valid				
O 100% training, 0% val	idation, 0% testing.			
<b>⊘</b> Correct				
11. You finish training your tra	ffic sign classifier, and want	to evaluate its performa	ance. You compute the	2 / 2 points
	the training, validation, and			-, - p
Data Split	Training	Validation	Testing	
Accuracy	90%	88%	87%	
You know that a human ha	as an accuracy of around 98%	6 on the traffic sign clas	sification task. What are things	
	uman level performance? (C	_	0	
Add more layers to yo	ur neural network.			
<b>⊘</b> Correct				
Add regularization to	vour neural network			
Collect more training				
✓ Train your neural netv				
<u> </u>				
12. When a neural network ov	erfits the training data, the g	eneralization gap is usu	ally very small.	1/1 point
O True				
False				
<b>⊘</b> Correct				

13.	Which of the following strategies are used for regularization in neural networks? (Check all that apply.)  Increasing the number of parameters in the neural network architecture  Training the neural network longer	1/1 point
	✓ Norm Penalties	
	<b>⊘</b> Correct	
	✓ Early Stopping	
	⊘ Correct	
	✓ Dropout	
14.	Dropout significantly limit the type of neural network models that can be used, and hence is usually used for specific architectures.  True  Palse	1/1 point
	⊘ Correct	
	0	
15.	The name convolutional neural networks comes from the fact that these neural networks use a <b>convolution</b> operation instead of general matrix multiplication.  True  False	1/1 point
	<b>⊘</b> Correct	
16.	The input to a pooling layer has a <b>width, height and depth</b> of <u>224x224x3</u> respectively. The pooling layer has the following properties:	0 / 2 points
	Kernel shape: 4x4     Stride: 2	
	What is the width of the output of this pooling layer?	
	110	
	⊗ Incorrect This answer is incorrect. Please refer back to Lesson 6 in this module to review this material.	
17.	Using convolutions might reduce overfitting, as the number of parameters in convolutional layers is <b>less</b> than the number of parameters in fully connected layers.  ① True	1/1 point
	○ False	
	⊙ Correct	