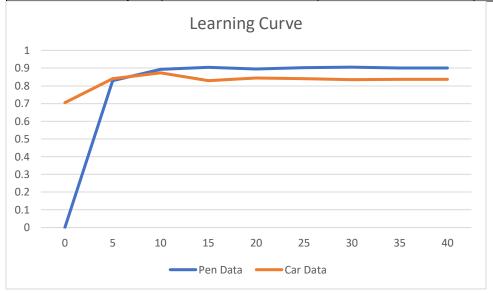
	Max	Mean	Std. Dev.
testPenData	0.907661520869068	0.901658090337	0.00553452031576
testCarData	0.899214659686	0.893848167539	0.00395712472718

6.

	Max	Mean	Std. Dev
testPenData 0 layers	0	0	0
testCarData 0 layers	0.704842931937	0.704842931937	0
testPenData 5 layers	0.844196683819	0.828702115495	0.0123708079828
testCarData 5 layers	0.85667539267	0.840314136126	0.0168385868197
testPenData 10 layers	0.902801600915	0.892853058891	0.00819507049385
testCarData 10 layers	0.888089005236	0.873298429319	0.0106544824214
testPenData 15 layers	0.933676386507	0.904402515723	0.0147337688124
testCarData 15 layers	0.870418848168	0.828926701571	0.0284594828075
testPenData 20 layers	0.903087478559	0.895254431103	0.00617548649871
testCarData 20 layers	0.857329842932	0.844240837696	0.0119461824179
testPenData 25 layers	0.906803887936	0.903201829617	0.00232669982268
testCarData 25 layers	0.86387434555	0.839790575916	0.018251537187
testPenData 30 layers	0.907947398513	0.905488850772	0.00175855420231
testCarData 30 layers	0.857329842932	0.8349643979	0.0162081844704
testPenData 35 layers	0.904516866781	0.90051457976	0.00433554913897
testCarData 35 layers	0.846204188482	0.837303664921	0.00623069645833
testPenData 40 layers	0.903087478559	0.900228702115	0.00343529305564
testCarData 40 layers	0.852748691099	0.835994764398	0.0108930095663



The number of hidden layer perceptrons (x-axis) appeared to have a minimal effect on the average accuracy (y-axis) in both datasets. Both accuracies saw an increase between five and ten layers, but past that the values remained about the same. In general, I would expect the accuracies to increase with a higher number of hidden layers since more information about the data can be stored, but in this particular run of testing that did not occur.

7. Test cases for XOR are (0, 0, 0), (0, 1, 1), (1, 0, 1), and (1, 1, 0), as seen in xor.data.txt. Testing XOR with 0 hidden layers produced the following output after five runs: [0.5, 0.0, 0.5, 0.5, 0.0], which is not particularly accurate. I incremented the number of hidden layer perceptrons by 1 until the average of the five runs exceeded 75% accuracy, which only occurred with 26 perceptrons. This seems quite unusual, since the neural network can theoretically classify the data points perfectly with just two perceptrons.