1 point	1.	(True/False) A linear classifier assigns the predicted class based on the sign of $Score(x) = \mathbf{w}^T h(\mathbf{x})$ .  True  False
1 point	2.	(True/False) For a conditional probability distribution over $y \mathbf{x}$ , where $y$ takes on two values (+1, -1, i.e. good review, bad review) $P(y=+1 \mathbf{x})+P(y=-1 \mathbf{x})=1.$ True  False
1 point	3.	Which function does logistic regression use to "squeeze" the real line to [0, 1]?  Logistic function  Absolute value function  Zero function
1 point	4.	If $Score(x) = \mathbf{w}^T h(\mathbf{x}) > 0$ , which of the following is true about $P(y = +1   \mathbf{x})$ ? $P(y = +1   x) <= 0.5$ $P(y = +1   x) > 0.5$ $Can't say anything about P(y = +1   x)$
	E	Consider training a 1 vs. all multiclass classifier for the problem of digit recognition using

point

Consider training a 1 vs. all multiclass classifier for the problem of digit recognition using logistic regression. There are 10 digits, thus there are 10 classes. How many logistic regression classifiers will we have to train?