	True False		
2.	(True/False) In order to train a logistic remaximize the likelihood of the model.  True False	egression model, we find the weights that	1 point
3.	(True/False) The data likelihood is the pathe weights <b>w</b> and response y.  True False	product of the probability of the inputs $oldsymbol{x}$ given	1 point
4.	Questions 4 and 5 refer to the following	scenario.	1 point
	Consider the setting where our inputs ar $x$ 2.5 0.3 2.8 0.5 and the current estimates of the weights the weight for $x$ ). Calculate the likelihood of this data. Rou	$y$ +1 -1 +1 +1 are $w_0=0$ and $w_1=1$ . ( $w_0$ : the intercept, $w_1$ :	
	0.23		

1 point

1. (True/False) A linear classifier can only learn positive coefficients.

5.	Refer to the scenario given in Question 4 to answer the following:	1 point
	Calculate the derivative of the log likelihood with respect to $w_1$ . Round your answer to 2 decimal places.	
	0.37	
6.		1 point
	Which of the following is true about gradient ascent? Select all that apply.	
	It is an iterative algorithm	
	It only updates a few of the parameters, not all of them  It finds the maximum by "hill climbing"	