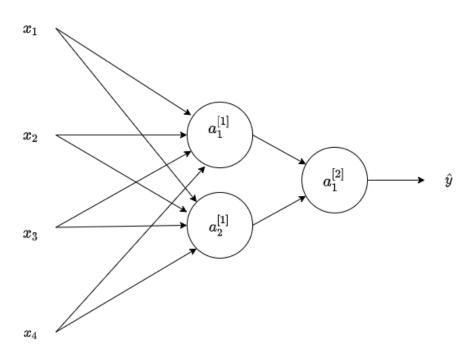


\bigcirc (1, 2)	
(3, 1)	
(2,)	
(3,)	
6.Suppose you have built a neural network with one hidden layer and tanh as activation function for the hidden layer. You decide to initialize the weights to small random numbers and the biases to zero. The first hidden layer's neurons will perform different computations from each other even in the first iteration. True/False? True	1 point
Yes. Since the weights are most likely different, each neuron will do a different computation.	
O False	
No. Since the weights are most likely different, each neuron will do a different computation.	
7.A single output and single layer neural network that uses the sigmoid function as activation is equivalent to the logistic regression. True/FalseTrue	1 point
○ False	
8. Which of the following is true about the ReLU activation functions?	1 point
They are only used in the case of regression problems, such as predicting house prices.	
They cause several problems in practice because they have no derivative at 0. That is why Leaky ReLU was invented.	
They are the go to option when you don't know what activation function to choose for hidden layers.	
They are increasingly being replaced by the tanh in most cases.	
9.Consider the following 1 hidden layer neural network:	1 point
x_1 $a_2^{[1]}$ $a_3^{[1]}$ $a_4^{[1]}$ $a_4^{[1]}$ $a_4^{[1]}$ $a_4^{[1]}$ $a_4^{[1]}$	
Which of the following statements are True? (Check all that apply).	
\square $W^{[2]}$ will have shape (4, 1)	
\Box $b^{[2]}$ will have shape (1, 1)	
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- $\Box b^{[1]}$ will have shape (2, 1)

10. Consider the following 1 hidden layer neural network:

1 point



What are the dimensions of $Z^{[1]}$ and $A^{[1]}$?

- $\bigcirc \ Z^{[1]}$ and $A^{[1]}$ are (2, m)
- $\bigcirc \ Z^{[1]}$ and $A^{[1]}$ are (4, m)
- $\bigcirc \ Z^{[1]}$ and $A^{[1]}$ are (2, 1)
- $\bigcirc \ Z^{[1]}$ and $A^{[1]}$ are (4, 1)