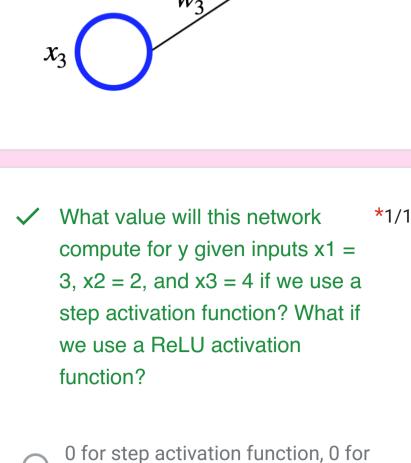
The following question will ask you about the below neural network, where we set w0 = -5, w1 = 2, w2 = -1, and w3 = 3. x1, x2, and x3 represent input neurons, and y represents the output neuron.

 x_1 w_1 w_2 w_2 y



ReLU activation function

1 for step activation function, 0 for

ReLU activation function

0 for step activation function, 1 for

ReLU activation function

1 for step activation function, 1 for ReLU activation function

1 for step activation function, 11

11 for step activation function, 11 for

16 for step activation function, 16 for

1 for step activation function, 16 for ReLU activation function

ReLU activation function

for ReLU activation function

- ReLU activation function
- / How many total weights *1/1 (including biases) will there be for a fully connected neural

network with a single input layer

with 3 units, a single hidden

output layer with 4 units?

layer with 5 units, and a single

- 9122035
 - O 40

39

44

60

outputs)

output)

16

single output)

multiple outputs)

- 69
- according to whose voice it is.

 What network architecture is the best fit for this problem?

One-to-many (single input, multiple

Many-to-one (multiple inputs,

One-to-one (single input, single

Many-to-many (multiple inputs,

speech sample, and classifies it

Consider a recurrent neural

network that listens to a audio

*****1/1

- The following question will ask you about a 4x4 grayscale image with the following pixel values.

 2 4 6 8

12

| | 32 | 30 | 28 | 26 | | |
|--|----|---------------------------|----|----|--|--|
| | | | | | | |
| ✓ What would be the result of applying a 2x2 max-pool to the original image? | | | | | | |
| _ | | formatted a, b] is the | | | | |

| | [[16, 12], [32, 28]] | ~ |
|---|----------------------|----------|
| 0 | [[16, 14], [32, 30]] | |

[[22, 24], [32, 30]]

[[14, 12], [30, 28]]

[[16, 12], [32, 30]]

is the second row.

[[16, 14], [22, 24]]