

✔ Congratulations! You passed!

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higher

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1. Which of the following are applications of deep learning?

1 / 1 point

- ☐ Color Restoration in Greyscale Images
- ☐ Self-Driving Cars
- ☐ Automatic Machine Translation
- ☐ Automatic Handwriting Generation
- ☒ All of the Above

✔ **Correct**

Correct. All of the above are applications of deep learning.

2. An artificial neural network can be composed of which of the following types of layers?

1 / 1 point

☒ Output Layer

✔ **Correct**

Correct.

☒ Hidden Layer

✔ **Correct**

Correct.

☐ Intermediate Layer

☐ Sparse Layer

☒ **Input Layer**

☒ **Correct**
Correct.

3. A artificial neuron is so powerful that it can perform complex tasks by simply performing a linear combination of its inputs.

1 / 1 point

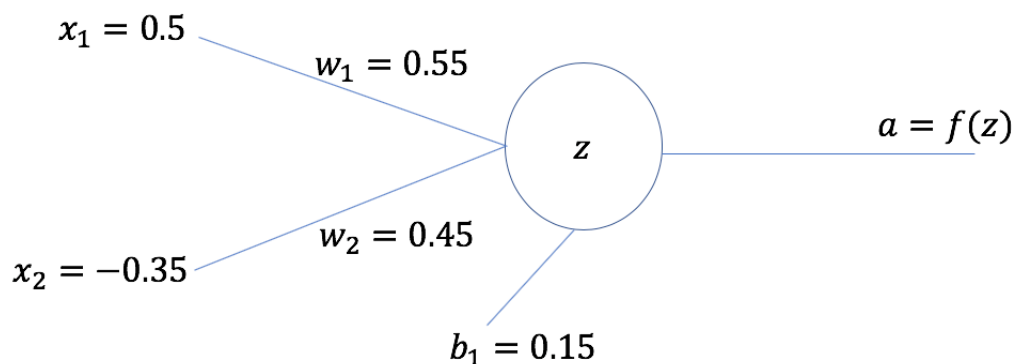
☐ True

☒ False

☒ **Correct**
Correct.

4. Given below is a neural network with one neuron that takes two float numbers as inputs.

1 / 1 point



What is the value of z for the given x_1 and x_2 (Give your answer to three decimal places)

0.2675

☒ **Correct**

5. The model in the previous question uses the sigmoid activation function. What is the output of the network?

1 / 1 point

0.566479056

✓ **Correct**