Congratulations! You passed!
TO PASS 80% or higher

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Introduction to Neural Networks and Deep Learning

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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
- [x] 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

- [x] Output Layer

Correct
Correct.

- [x] Input Layer

Correct
Correct.

- [x] Hidden Layer

Correct
Correct.

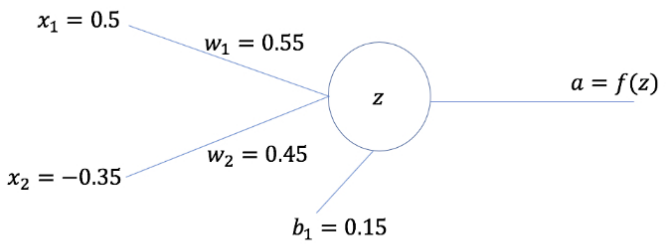
- [ ] Intermediate Layer
- [ ] Sparse Layer

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 x1 and x2 (Give your answer to three decimal places)

0.267

Correct

5. **The model in the previous question uses the sigmoid activation function. What is the output of the network?** 1 / 1 point

0.566

Correct