**Lesson 1 Quiz**

**TOTAL POINTS 3**

Question 1

Which of the following statements is **NOT** true?

1 point

We compute gradients in MXNet using forward mode automatic differentiation.

The direction of the gradient denotes the direction of steepest ascent for a function.

At the minima or maxima of a differentiable function the value of the gradient is 0.

Gradient descent is an iterative process for approximately finding the minimum of a loss function.

Question 2

Which of the following code blocks will actually print the derivative of x with respect to y?

1 point

















Question 3

What will the output of the following code block?



1

2

3

4

5

6

7

8

9

10

11

1 point

[[2, 0], [0, 2]]

[[2, 2], [2 2]]

[[4, 0], [0, 4]]

[[4, 4], [4, 4]]