Question 1: What is the name of the optimization problem that Machine Learning generally seeks to solve?

Question 2: Give one example of a loss function for each: traditional machine learning, deep learning.

Question 3: What is another name for a piecewise function? (Hint: it relates to the differentiability of the function.)

Answer Question 1: Structural risk minimization.

Answer Question 2: 0-1 loss, IoU loss (can be any as long as they are from opposite categories).

Answer Question 3: A piecewise function is non-contonuous.