Question 1: Why is it important to select an appropriate loss function for a learning algorithm?

Question 2: How does machine learning differ from deep learning?

Question 3: How do the loss functions for machine learning differ from the loss functions for deep learning? How do they relate?

Answer Question 1: Selecting an appropriate loss function for a learning algorithm is directly linked to the algorithm's effectiveness.

Answer Question 2: Machine learning is based on mapping the input to the target output while deep learning is based on solving expressions with neural networks.

Answer Question 3: The loss functions for machine learning do not seem to heavily rely on a multitude of variables or calculations while the loss functions for deep learning do. However, both seem to utilize trigonometry and logarithmic functions.