24-787: Machine Learning and Artificial Intelligence for Engineers

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Homework 1

Due: Jan 27 2024

**Concept Questions:**

Problem 1

1. Regression problem.
2. Classification problem.

Problem 2

1. The network’s test loss value is 0.035.
2. The network’s test loss value is 0.020.
3. The network’s test loss value is 0.018.

Problem 3

Vector d is in the direction of gradient descent.

Problem 4

1. Class B.
2. Class R.