Name: UID:

Problem 1.(2 points.)

1a. What happen to bias when hypothesis space becomes simpler and simpler. (increases/ decreases)

increases

Problem 2 (1 point) Right SVM tunning depends on

• A) kernel selection B) Kernel parameter C) Soft Margin parameter D) All of the above

Problem 3.(2 points.) In decision tree as node become more purer, does entropy increases or decreases

decreases