

# ComS 474

## Homework 2

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1)  $x = [1.1, 2.2, 3.3, 1]^T$

2)  $w^T x = [1.1, 0, 3.3, 0]^T > 1$ , therefore the class is 1.

3)  $\sum_{i=1}^n (w^T x_i'' - C_i)$ , where  $C_i$  is the class of  $x_i$

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