

Fall 2015

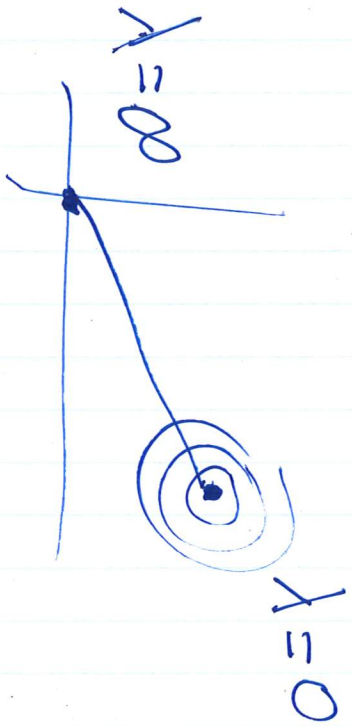
- 1. a) F
- b) T
- c) N/A **F**
- d) F
- e) F
- f) N/A **T**
- g) N/A **T**
- h) N/A **F**

$$p(\mu|B) \stackrel{\text{MAP}}{=} \frac{p(B|\mu)p(\mu)}{p(B)} \stackrel{\text{ML}}{=}$$

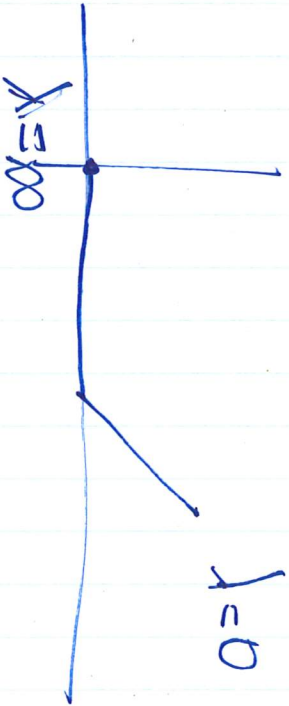
$$\arg \max_{\mu} p(\mu|B) = \arg \max_{\mu} p(B|\mu)$$

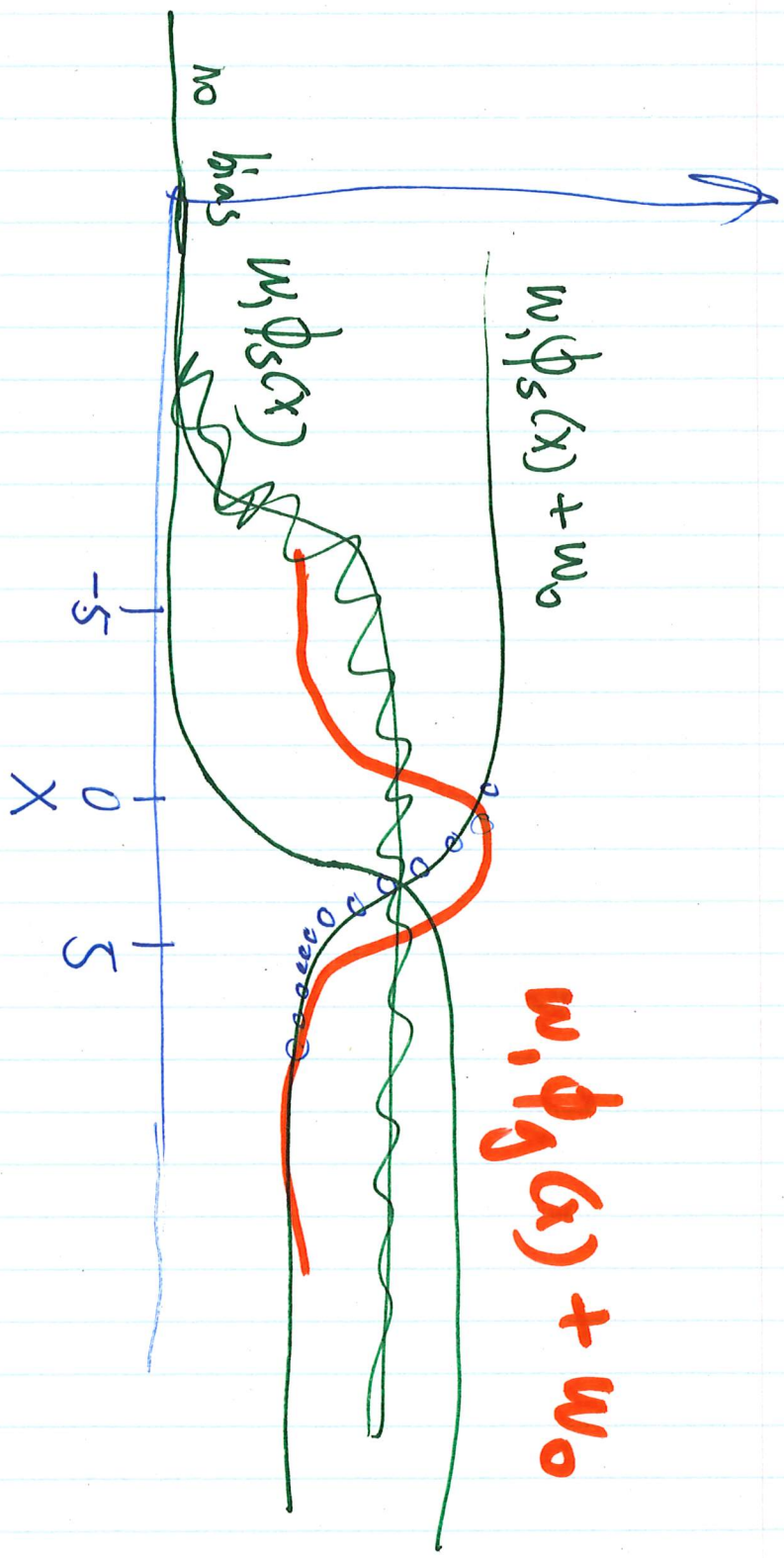
$$\text{if } p(\mu) = \mathbb{I}$$

3. a)



b)





Fall 2015

Quiz 2

- 1. a) T
- b) F
- c) F
- d) T
- e) T
- f) N/A
- g) N/A
- h) N/A
- F**
- T**
- T**

2. a)

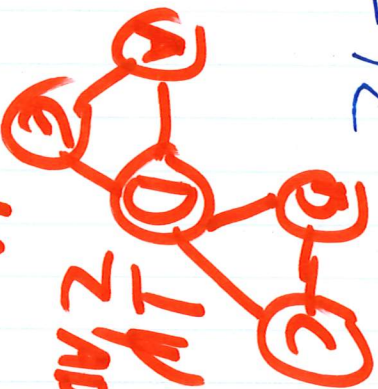
$$\frac{1}{1 + e^{-w^T x}}$$

b) No, if regularization used.

3. a)

$$1 + 1 + 2 + 4 + 4 = 12$$

b) N/A



$\sum_{A, D, E} (A, D, E)^k$
path (B, C, D)

16

Fall 2016

1. a) T
b) T
c) F
d) F
e) T
f) F

