ML HW 4

(pr)

 $\begin{aligned} || \times - u_1|| &= || \times - u_2|| \\ || \times || + || u_1|| &= 2 u_1 \times = || \times || + || u_2|| - 2 u_2 \times \\ 2 (u_1 - u_2) \times + || u_2|| - || u_1|| = 0 \\ (u_1 - u_2) \times + \frac{(|| u_2|| - || u_1||)}{2} = 0 \end{aligned}$ 

y'(x)= w'x + wo with w'= m, - M2 wo = (|| m\_1| - || m\_1|) = 0 16)

 $(u, -M_2) \times + \frac{(||M_2|| - ||M_1||)}{2} = 0$   $2(m, -M_2) \times + ||M_2|| - ||M_1|| = 0$   $2m, \times - 2m_2 \times + ||M_2|| - ||M_1|| = 0$   $||M_1|| - 2m, \times = ||M_2|| - ||M_1|| = 0$   $||X - M_1|| = ||X - M_2||$   $||X - M_1|| = ||X - M_2||$ 

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