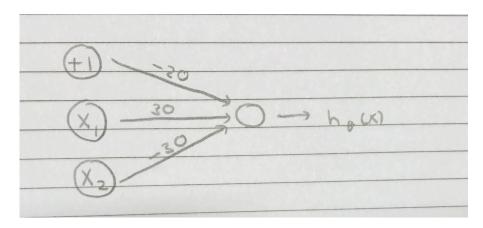
Ungraded exercise Machine Learning Delanie van der Meulen Friday 3<sup>rd</sup> of November 2017

## Exercise 1

$W_0 + W_1 - 1 + W_2 \cdot 0 = 0$ $W_0 + W_1 \cdot - 1 + W_2 \cdot 0 = 0$ $W_0 + W_1 \cdot 0 + W_2 \cdot 2 = 0$ $W_0 = W_1$ $W_0 = W_1$ $W_1 = W_2 \cdot 0 = 0$ $W_2 = W_2 \cdot 0 = 0$ $W_2 = W_2 \cdot 0 = 0$	Wo + W + X + W 2 X 2 = 0	
$W_0 - W_1 = 0$ $W_0 + 2W_2 = 0$		
2		
		2

## Exercise 2

## a. A AND (NOT B) two-input perceptron



## b. A XOR B two-layer network

