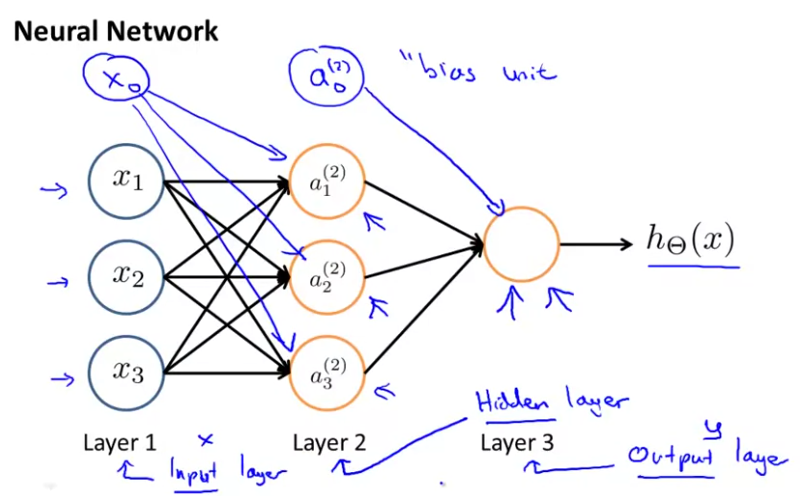
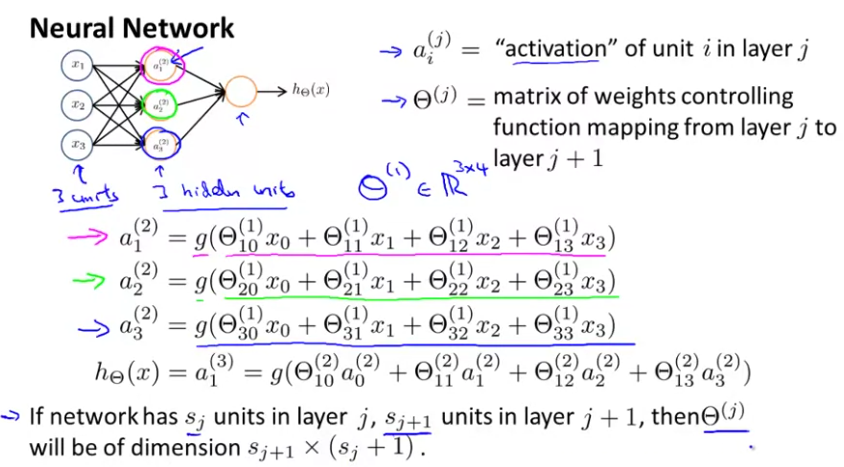
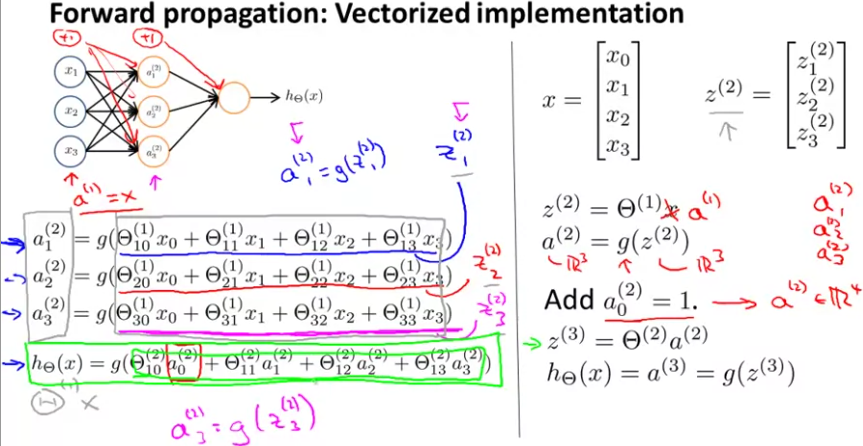
**Model representation**

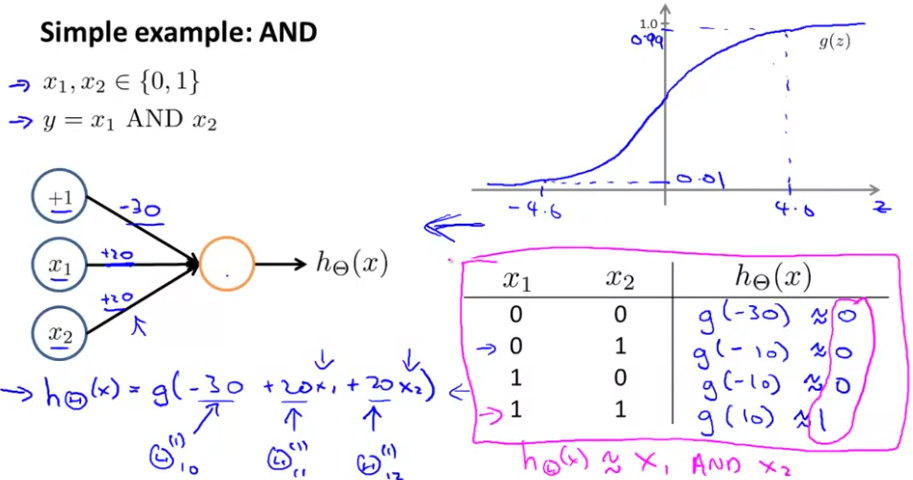


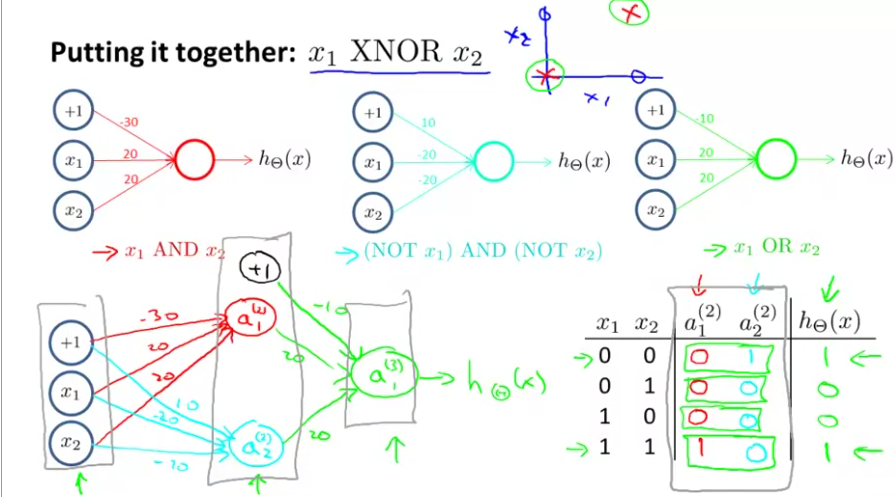


g(z) = sigmoid function



Neural networks take the original features (x1, x2, x3) and convert them into new features ().





**Neural Networks and Multi-class classification**