



$$\mathbf{h}^{(l)} = \sigma(\mathbf{W}\mathbf{h}^{(l-1)} + \mathbf{b})$$

**Sigmoid**

$$\sigma(x) = \frac{1}{1+e^{-x}}$$

**tanh**

$$\tanh(x)$$

**ReLU**

$$\max(0, x)$$

