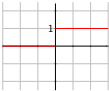
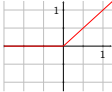


Heaviside



$$\varphi(x) = \begin{cases} 0, & x < 0 \\ 1, & x \geq 0 \end{cases}$$

Ramp (ReLU)



$$\varphi(x) = \begin{cases} 0, & x < 0 \\ x, & x \geq 0 \end{cases}$$

Hyperbolic Tangent



$$\varphi(x) = \tanh(x)$$

Logistic



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