## Relu Operator

Rylan W. Yancey

10/1/2023

## Definition & Gradient

The Rectified Linear Unit function is defined as follows:

$$\begin{cases} x & x > 0 \\ 0 & otherwise \end{cases}$$

To find the gradient w.r.t. x, we use the gradient of each case. If x>0, the gradient is 1. Otherwise, the gradient is 0..