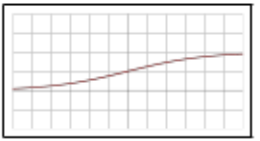
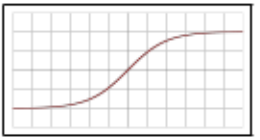
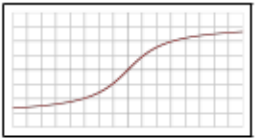
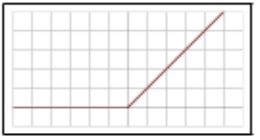
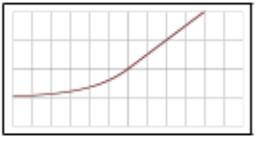
Name	**Graph**	f	f'
Logistic / sigmoïd		$f(x) = \frac{1}{1+e^{-x}}$	$f'(x) = f(x)\left(1 - f(x)\right)$
tanh		$f(x) = \frac{2}{1+e^{-2x}} - 1$	$f'(x) = 1 - f^2(x)$
atan		$f(x) = \tan^{-1}(x)$	$f'(x) = \frac{1}{x^2+1}$
ReLU		$f(x) = \begin{cases} 0 & \text{if } x < 0 \\ x & \text{if } x \geq 0 \end{cases}$	$f'(x) = \begin{cases} 0 & \text{if } x \neq 0 \\ 1 & \text{if } x = 0 \end{cases}$
Linear exponential		$f(x) = \begin{cases} \alpha(e^x - 1) & \text{if } x < 0 \\ x & \text{if } x \geq 0 \end{cases}$	$f'(x) = \begin{cases} f(x) + \alpha & \text{if } x < 0 \\ 1 & \text{if } x \geq 0 \end{cases}$