

monotonic functions

constant

exponential

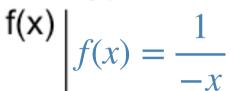
$$f(\mathbf{x}) \bigg| f(x) = c$$

$$f(x) = e^x$$

Χ

hyperbolic





Х

Х

Х

parabolic

$$f(\mathbf{x}) \mid f(x) = x^2$$

f(x)

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

logistic

Х

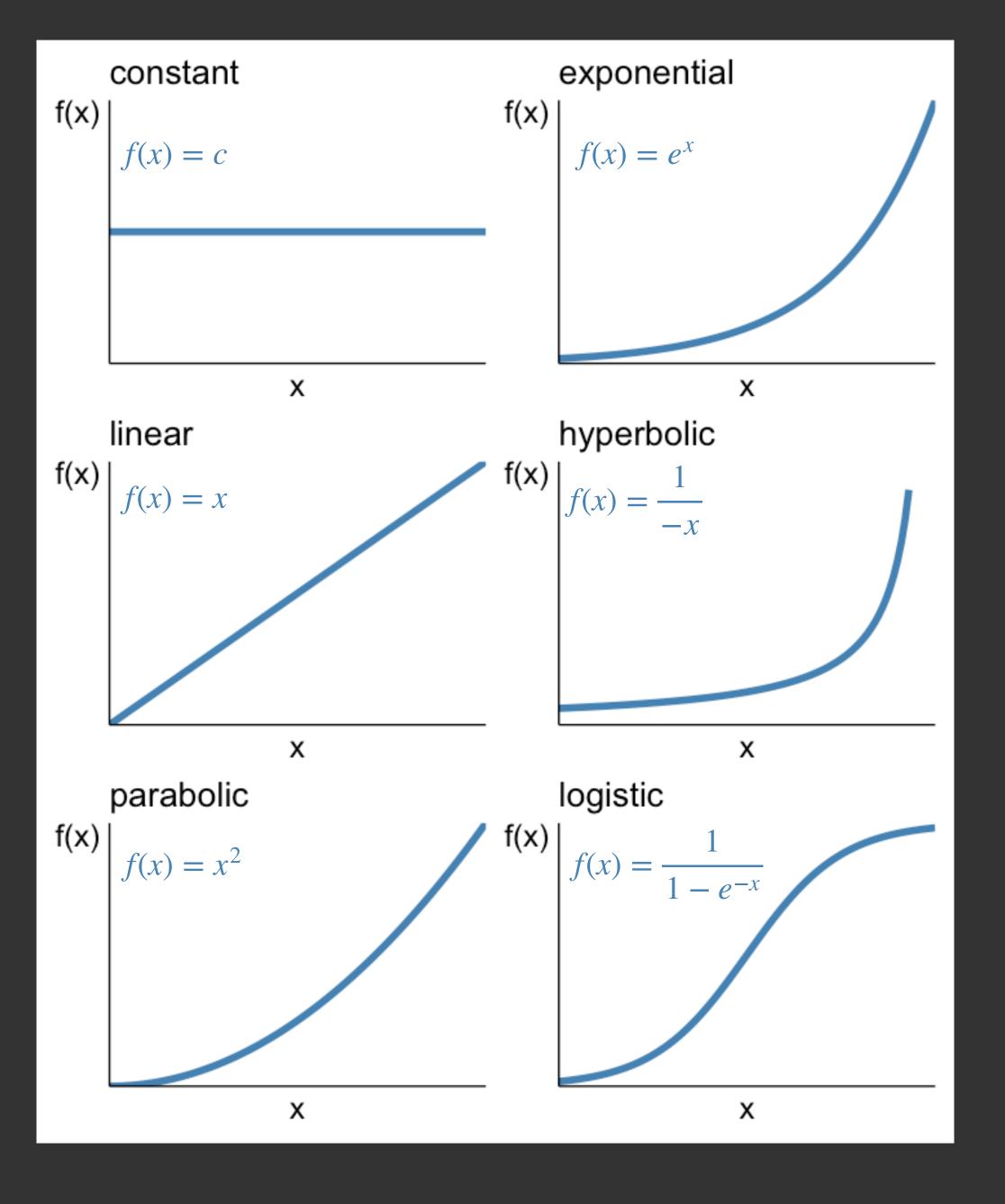
Χ



monotonic functions

characteristics

- no local extrema
- continuity (when continuous)
- injective



linear function vs. linear equation