Studiare le seguenti funzioni:

- $f(x) = \frac{x}{2x+|1-x|}$
- $f(x) = x^2|4-x^2|$
- $f(x) = \frac{|x^2+3x|}{x+1}$
- $f(x) = \sqrt{x^2-1}$
- $f(x) = \sqrt{1-x^2}$
- $f(x) = (x+1)\sqrt{\frac{x-1}{x+1}}$
- $f(x) = \frac{\sqrt{1+x^2}}{x}$
- $f(x) = \sqrt[3]{1-x^3}$
- $f(x) = log\,(e^x-1)$
- $f(x) = log\,(|e^x-1|)$
- $f(x) = log\,(e^{-x}+1)$
- $f(x) = |x^3|e^{-x}$
- $f(x) = log\left(\frac{3-x}{x+1}\right)$
- $f(x) = log\left(\left|\frac{3-x}{x+1}\right|\right)$
- $f(x) = x\sqrt{1-x^2}$
- $f(x) = xe^{-\sqrt{|x|}}$