

## CÁLCULO REPASO

Representa las siguientes funciones

$$(1) \quad f(x) = \frac{x^3}{x^2 - 1}$$

$$(2) \quad f(x) = \log(x^2 - 4)$$

$$(3) \quad f(x) = x \log x$$

$$(4) \quad f(x) = \frac{x}{x^2 + 1}$$

$$(5) \quad f(x) = \frac{x}{x - 2}$$

$$(6) \quad f(x) = 2x^3 - 8x + 1$$

$$(7) \quad f(x) = \frac{1}{x^2 + 2x}$$

$$(8) \quad f(x) = \frac{x^2 + 1}{x^2 - 1}$$

$$(9) \quad f(x) = (x + 1)^2(x - 2)$$

$$(10) \quad f(x) = x^4 e^{-x^2}$$

$$(11) \quad f(x) = \frac{3}{x^4 - 2x^2 + 1}$$

$$(12) \quad f(x) = x\sqrt{x(4 - x)}$$

$$(13) \quad f(x) = \frac{1}{x^2 + 3}$$

$$(14) \quad f(x) = \frac{x}{x - 1} + x$$

$$(15) \quad f(x) = \frac{\log x}{x}$$

$$(16) \quad f(x) = \frac{x}{\log x}$$

$$(17) \quad f(x) = \frac{\sqrt{x^2 - 1}}{x^2 - 4}$$