Est y rep. de Funciones — TEMA II

[1] POLINOMIOS

Grado 0: $y = k$ — Recta cte

Grado 1: $y = mx + n$ RECTA

Grado 2: $y = ax^2 + bx + c$ PARABOLA

Vértice $\forall x_c = \frac{-b}{2a}$

$a > 0 \cup$

$a < 0 \cap$

Grado > 2 → ESTUDIA + Representa

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[2] Cociente $y = \frac{2}{x}$ $D = \mathbb{R} - \{0\}$

$y = 0$ $x = 0$

Cociente complicado → E + Rep

[3] Raíz $\sqrt[n]{f(x)}$

n PAR $f(x) \geq 0$

n impar $f(x) = 0$ PI

[4] $y = 2^x$

$y = 0$

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[5] $y = \log_2 x$

$D: x > 0$

$x = 0$

[6] $y = \operatorname{sen} x$

x	0	90	180	270	360
y	0	1	0	−1	0

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ESTUDIO Y REPRESENTACION

[1] D

[2] P.C

[3] Asint o Ramas inf

[4] Monot y ext

[5] Curv y PI

[6] Representacion (Tabla de valores)

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