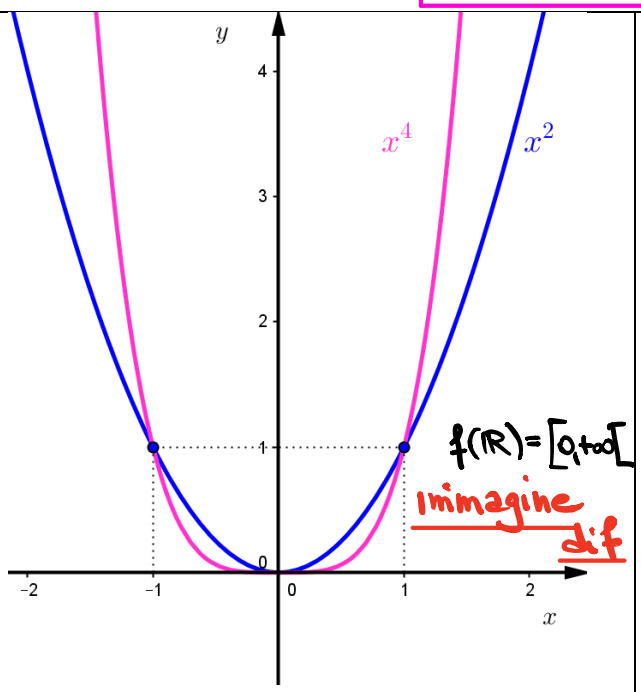
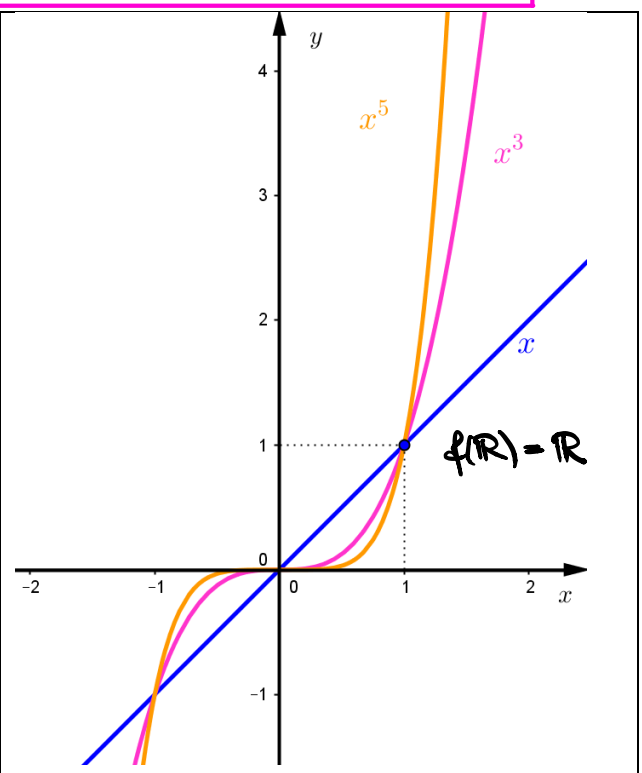
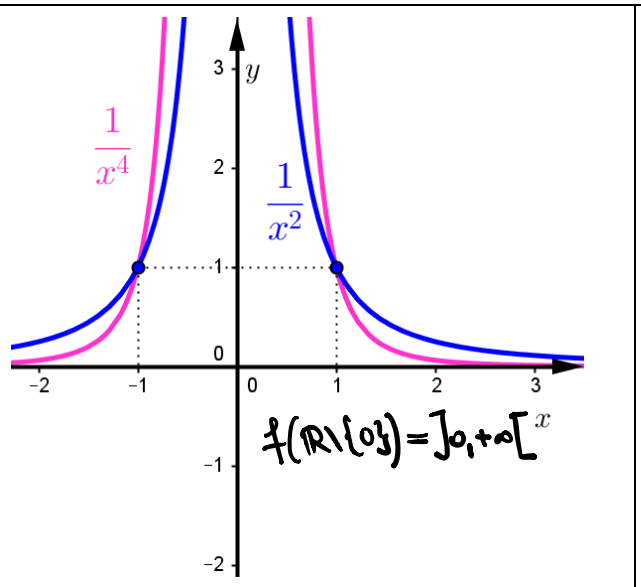
DA CONOSCERE COME LE PROPRIE TASCHE!



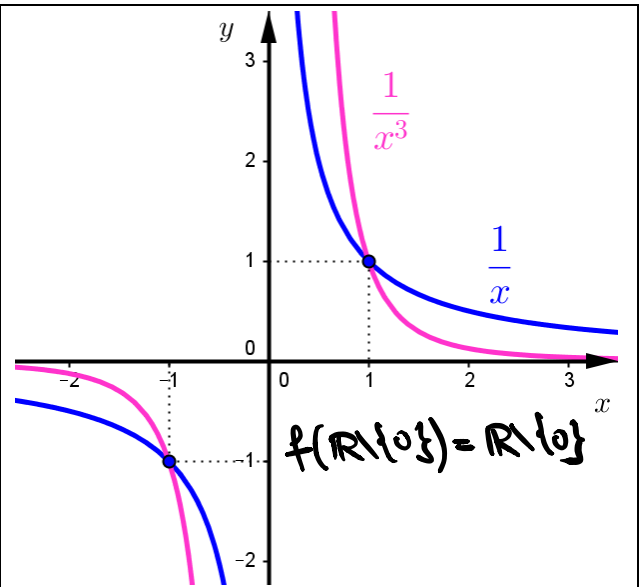
Funzione potenza pari
$f(x) = x^{2n}, \quad x \in \mathbb{R}$
dominio naturale



Funzione potenza dispari
$f(x) = x^{2n+1}, \quad x \in \mathbb{R}$



Funzione reciproca potenze pari
$f(x) = \frac{1}{x^{2n}}, \quad x \in \mathbb{R}\backslash\{0\}$



Funzione reciproca potenze dispari
$f(x) = \frac{1}{x^{2n+1}}, \quad x \in \mathbb{R}\backslash\{0\}$

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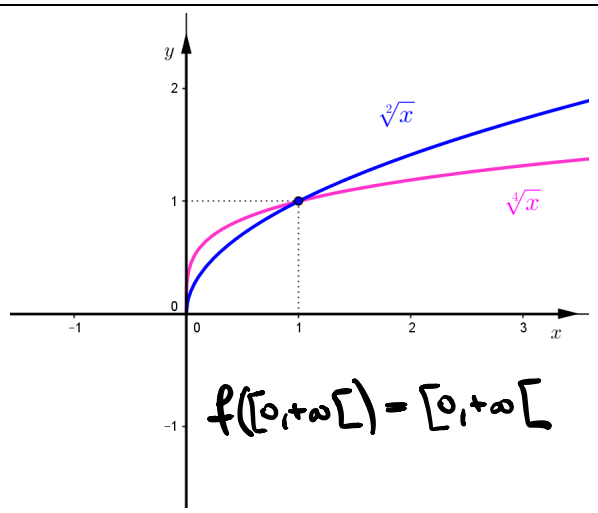
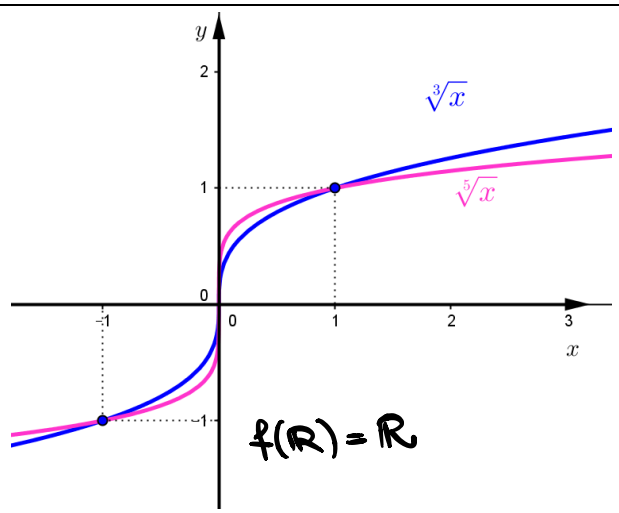
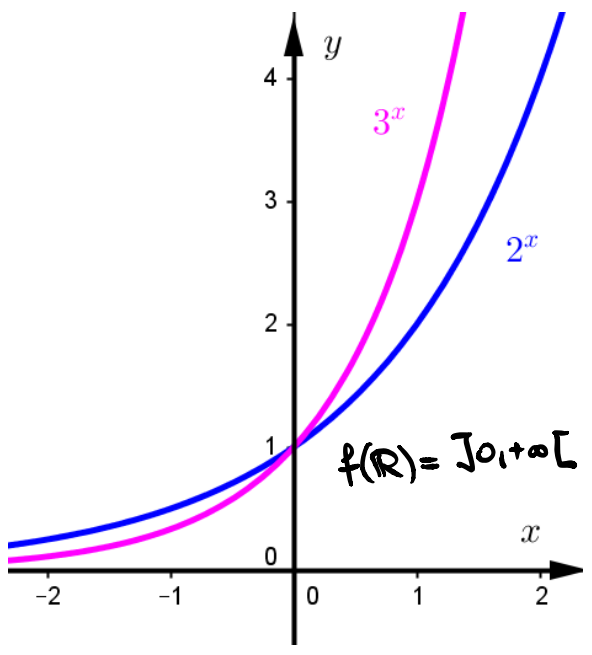
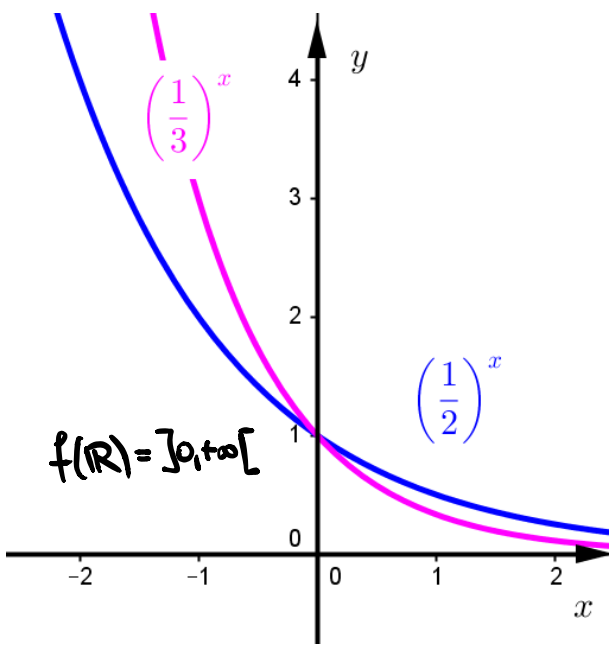


Funzione inversa potenze pari
$f(x) = \sqrt[2n]{x}$, $x \in [0, +\infty[$



Funzione inversa potenze dispari
$f(x) = \sqrt[2n+1]{x}$, $x \in \mathbb{R}$





Funzione esponenziale con $a > 1$
$f(x) = a^x$, $x \in \mathbb{R}$

Funzione esponenziale con $0 < a < 1$
$f(x) = a^x$, $x \in \mathbb{R}$

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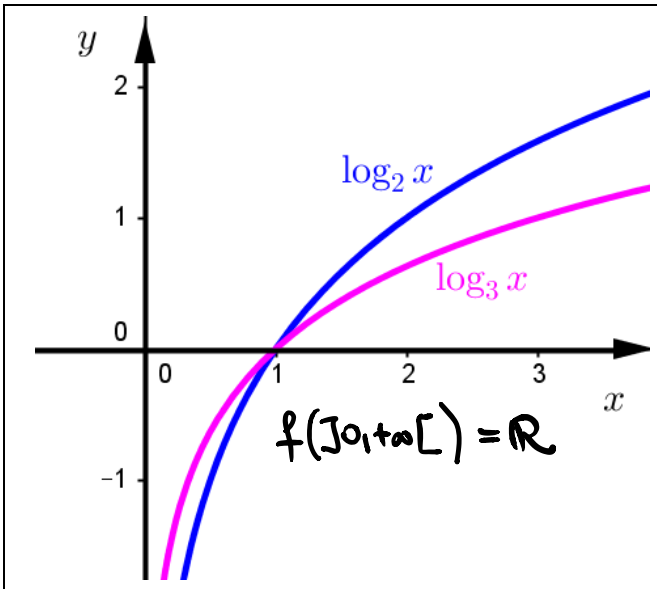
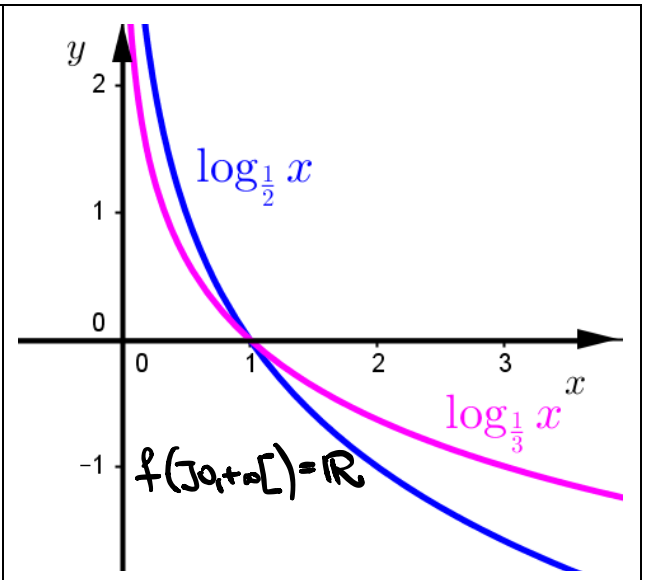


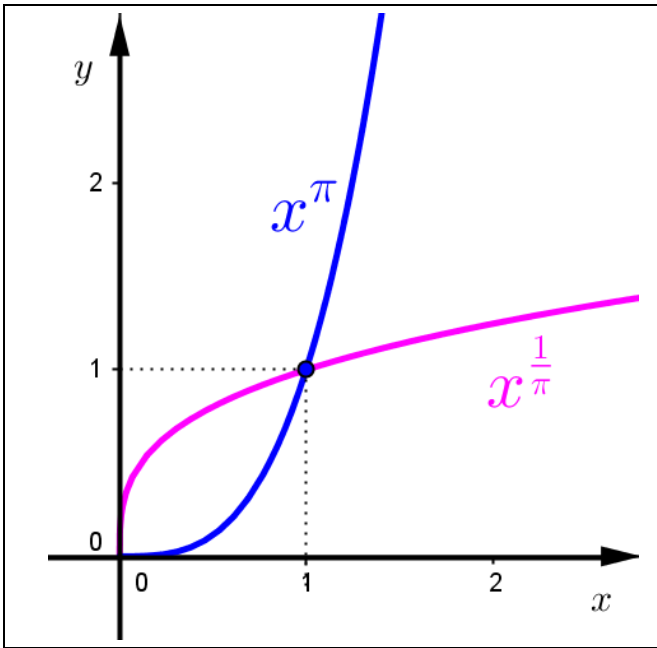
Funzione logaritmo con base $a > 1$

$f(x) = \log_a x, \quad x \in]0, +\infty[$



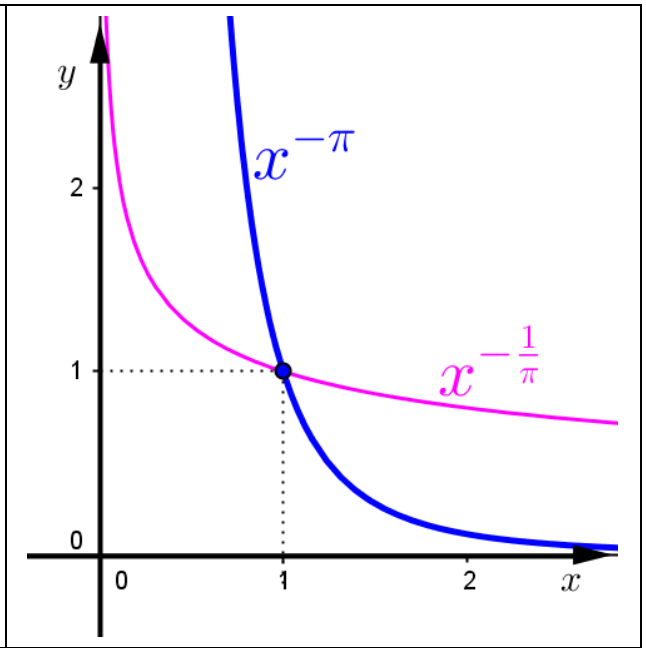
Funzione logaritmo con base $0 < a < 1$

$f(x) = \log_a x\,, \quad x \in]0, +\infty[$



Funzione potenza con $\alpha > 0$

$f(x) = x^{\alpha}, \quad x \geq 0$



Funzione potenza con $\alpha < 0$

$f(x) = x^{\alpha}, \quad x > 0$

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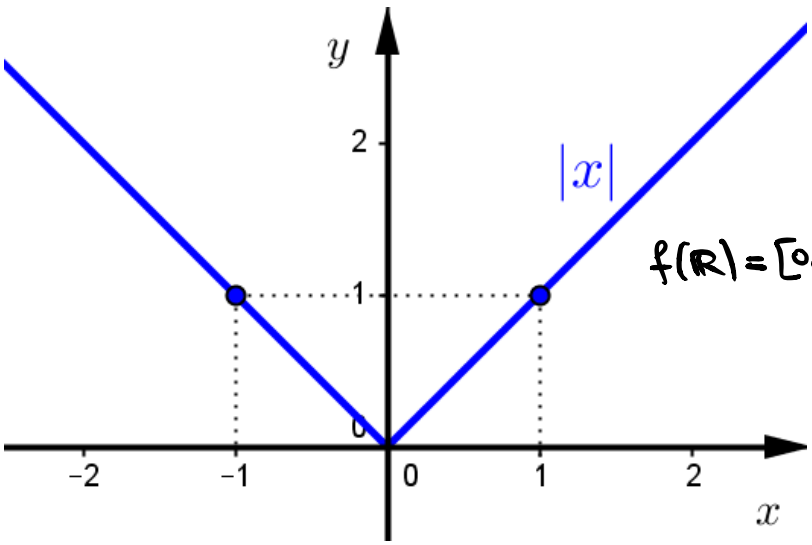
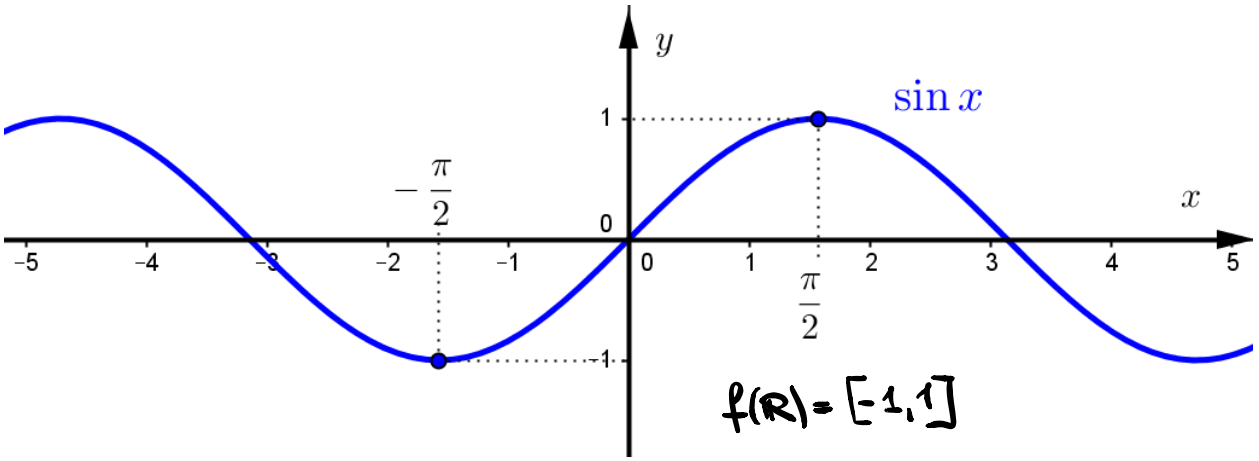
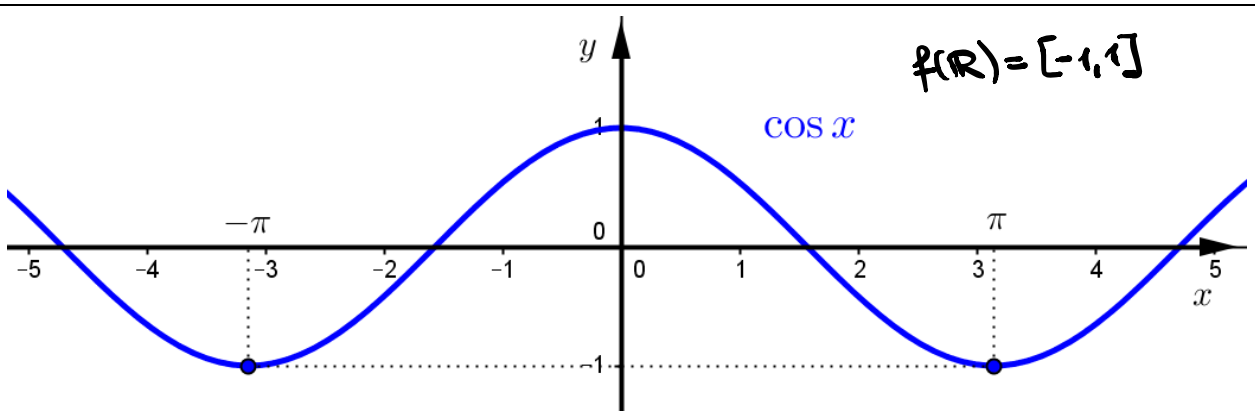


Funzione valore assoluto
$f(x) = |x|$, $x \in \mathbb{R}$



Funzione seno
$f(x) = \sin x$, $x \in \mathbb{R}$



Funzione coseno
$f(x) = \cos x$, $x \in \mathbb{R}$

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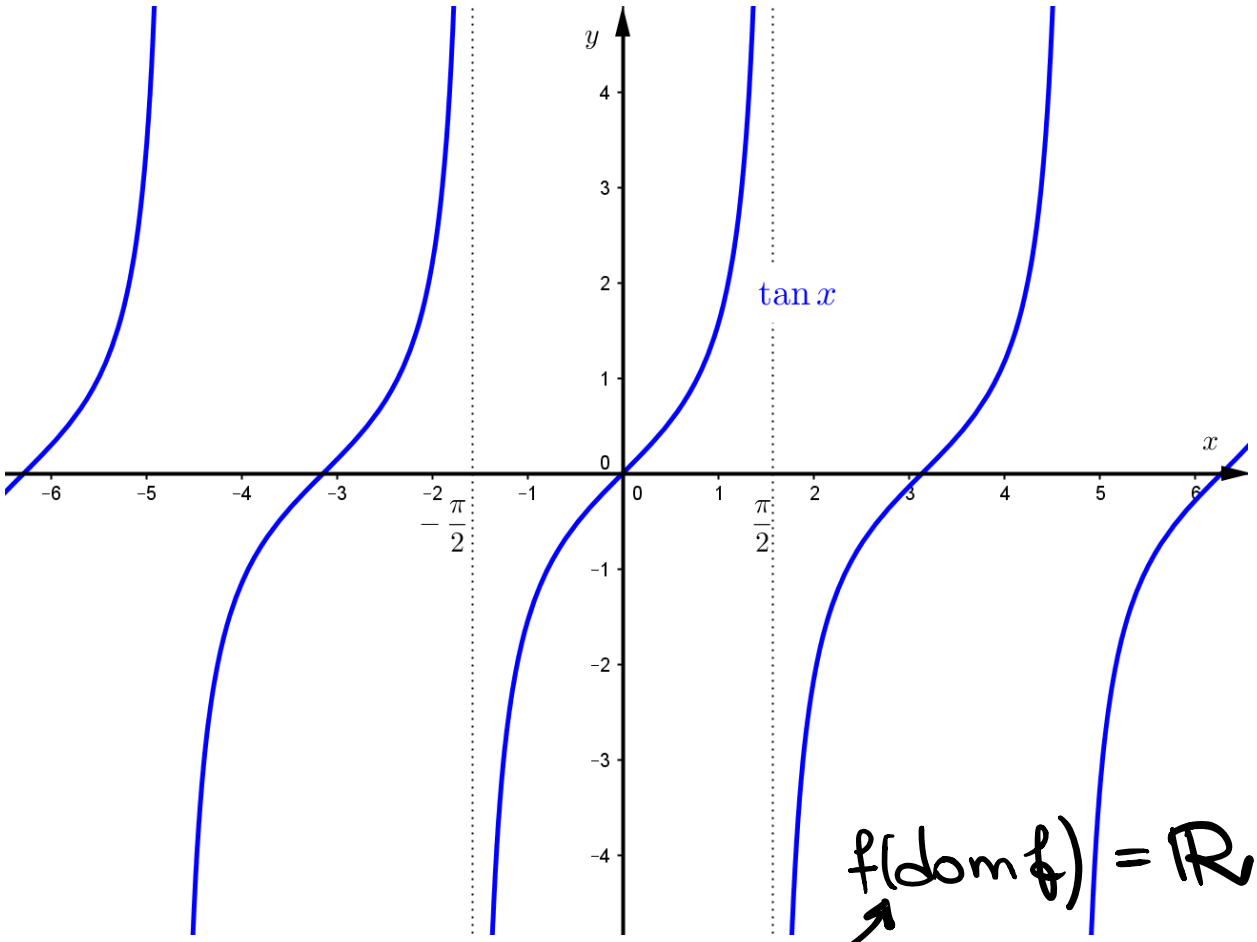

Funzione tangente

$f(x) = tan\, x\,,$ $x \in \mathbb{R} \setminus \left\{\frac{\pi}{2} + k\pi\right\}$

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