

Composizione per via grafica Esempio 2

Funzioni elementi base

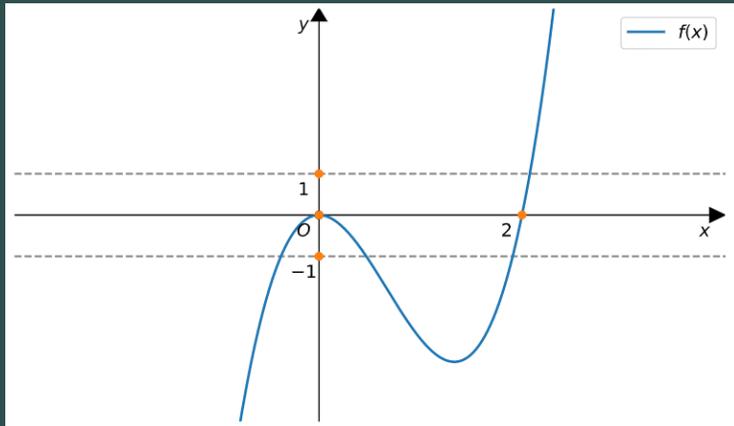
Manolo Venturin

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# Esercizio (corso Analisi Matematica 1)

Data la funzione rappresentata in figura



disegnare:

1.  $F(x) = -f(x)$
2.  $F(x) = f(-x)$
3.  $F(x) = -f(-x)$
4.  $F(x) = f(x - 1)$
5.  $F(x) = f(x + 1)$
6.  $F(x) = f(1 - x)$
7.  $F(x) = |f(x)|$
8.  $F(x) = \frac{1}{f(x)}$

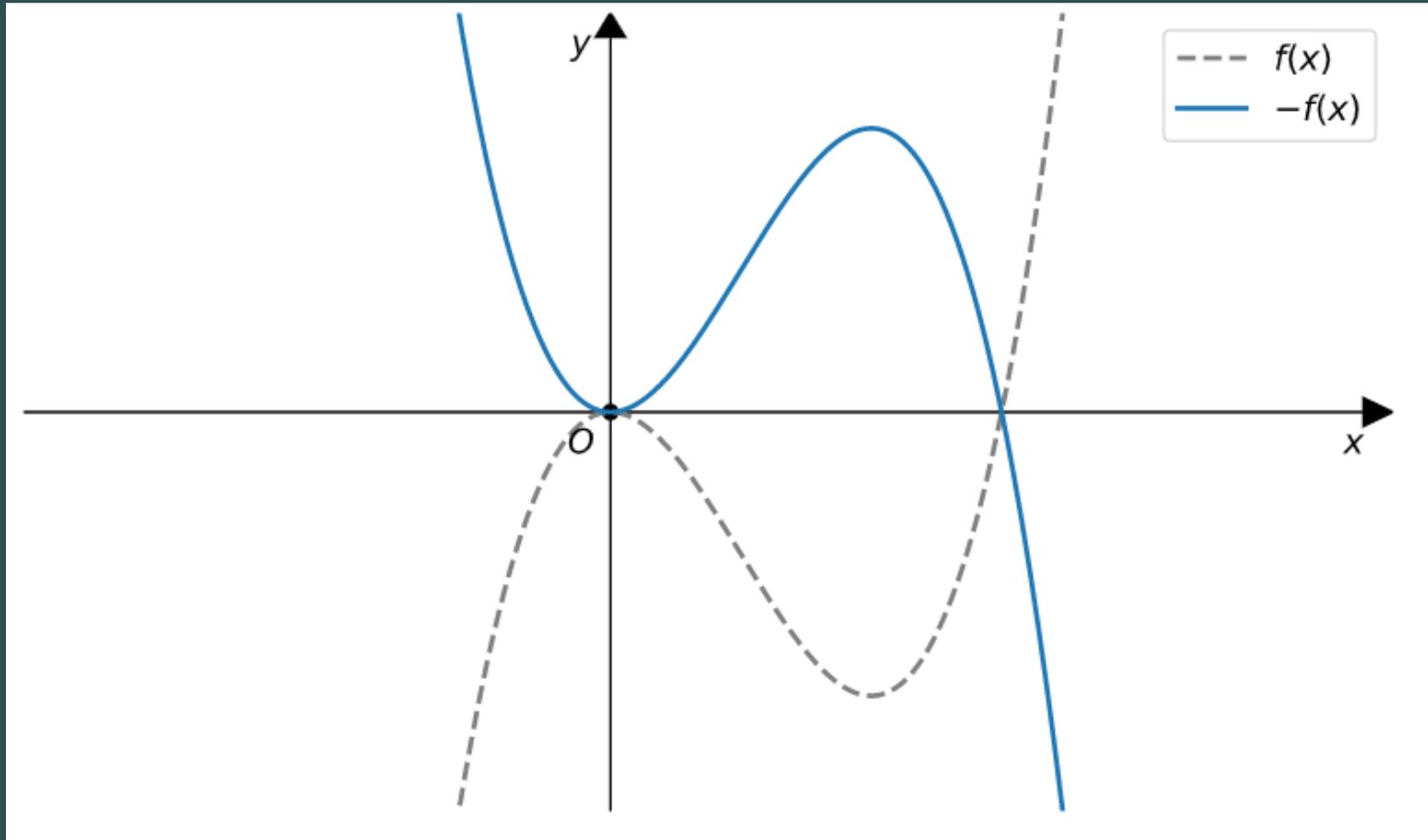
# Donazione

Se apprezzi le mie slide, considera di fare una donazione per supportare il mio lavoro.

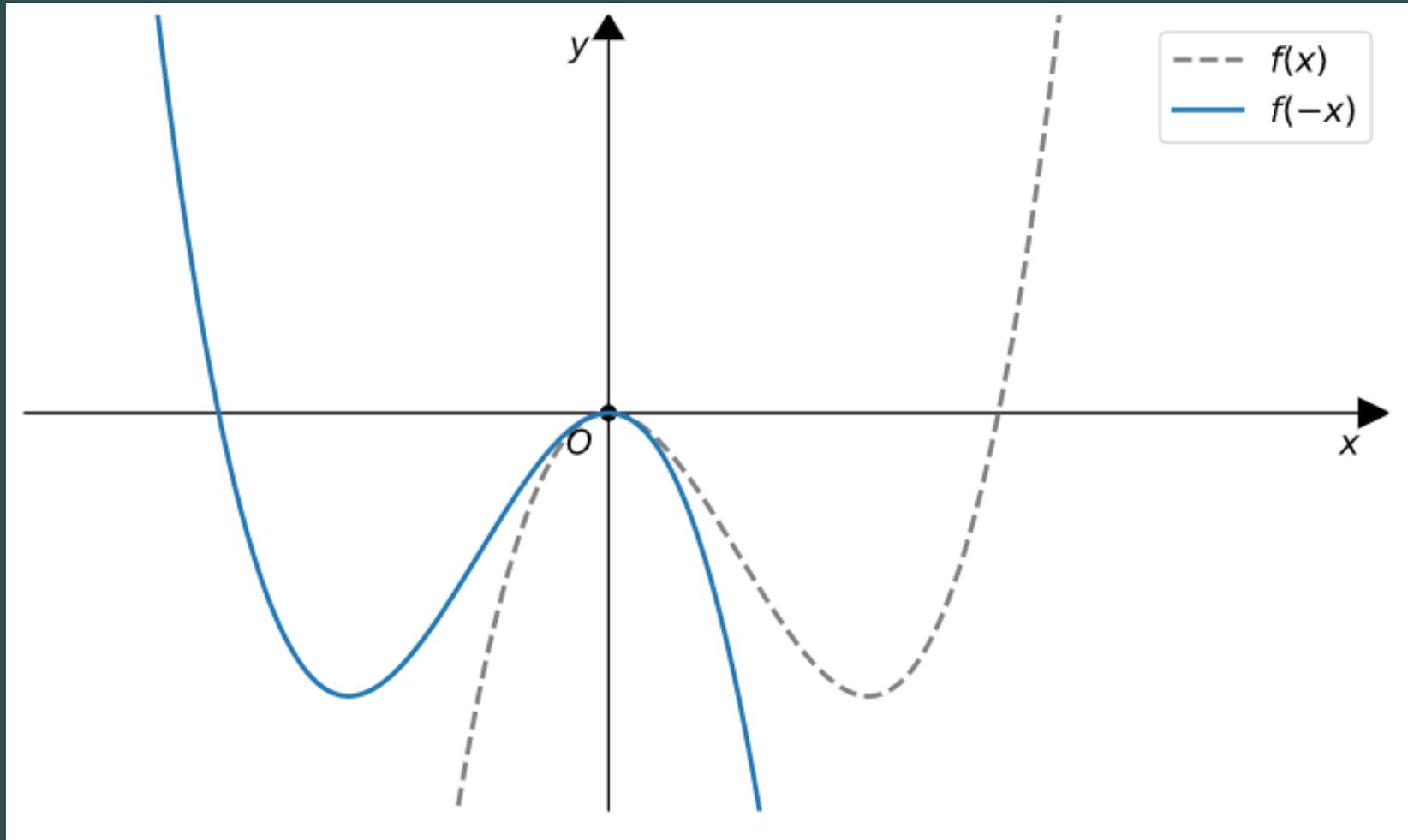
Grazie!



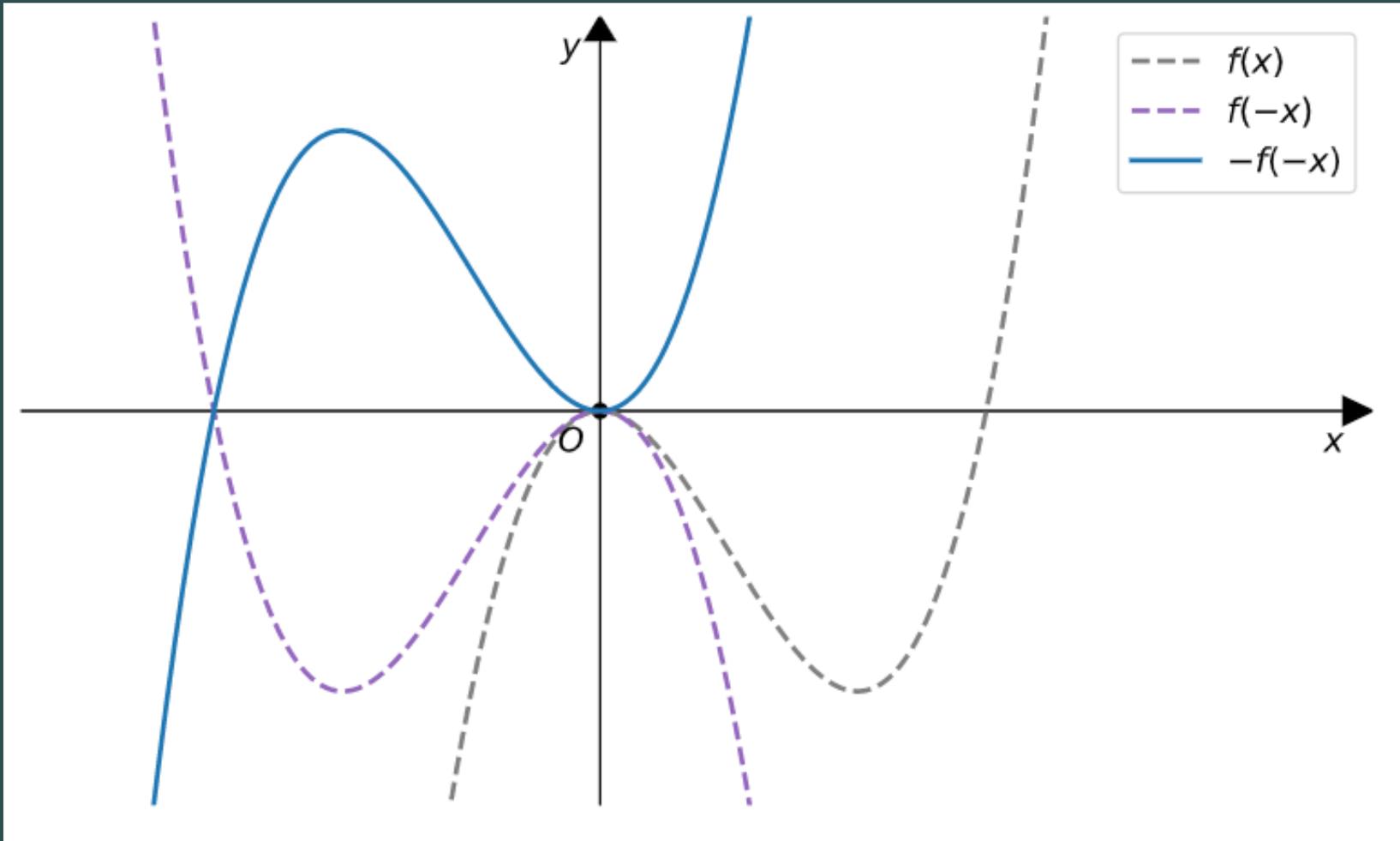
# Caso (opposto): $F(x) = -f(x)$



# Caso (parte pari): $F(x) = f(-x)$

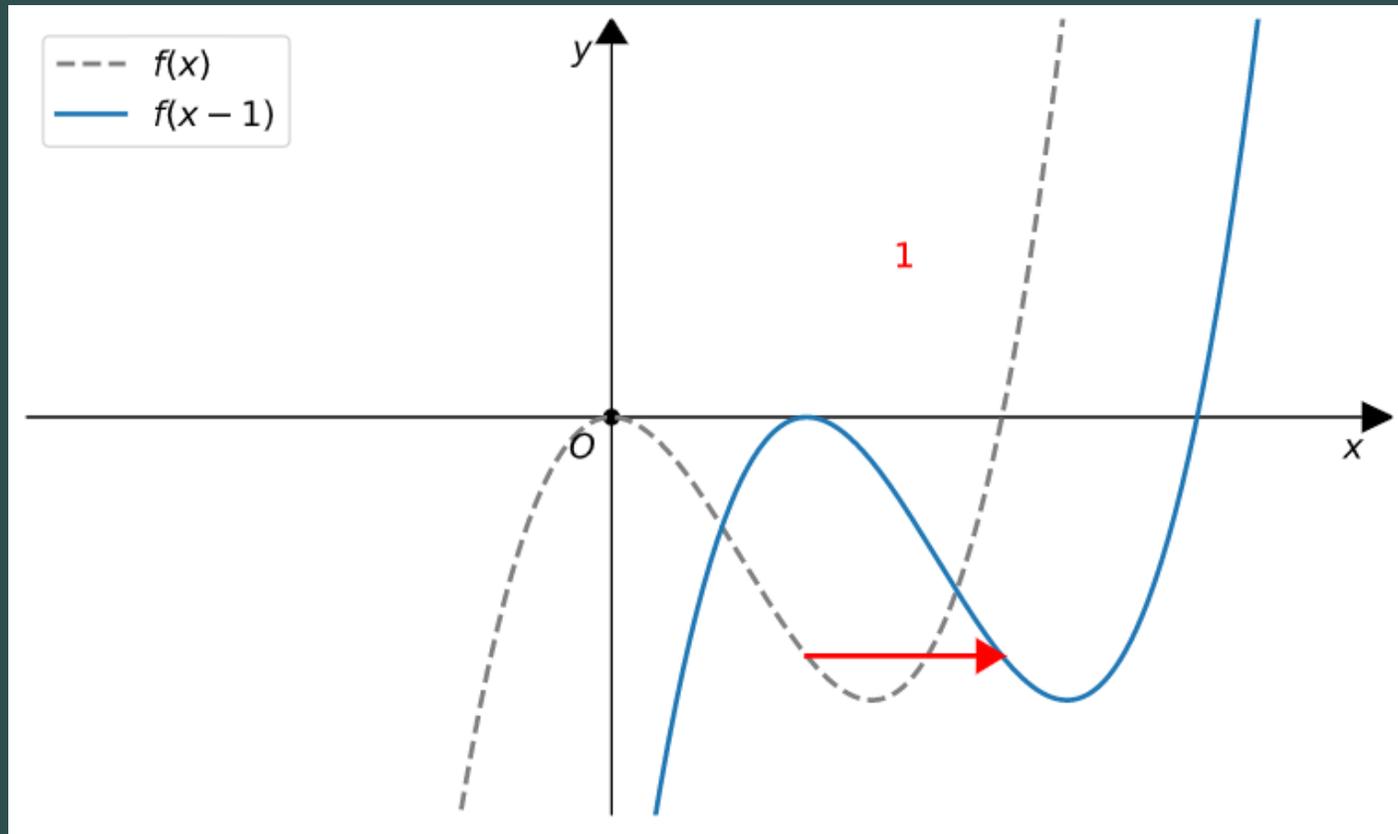


# Caso (parte dispari): $F(x) = -f(-x)$

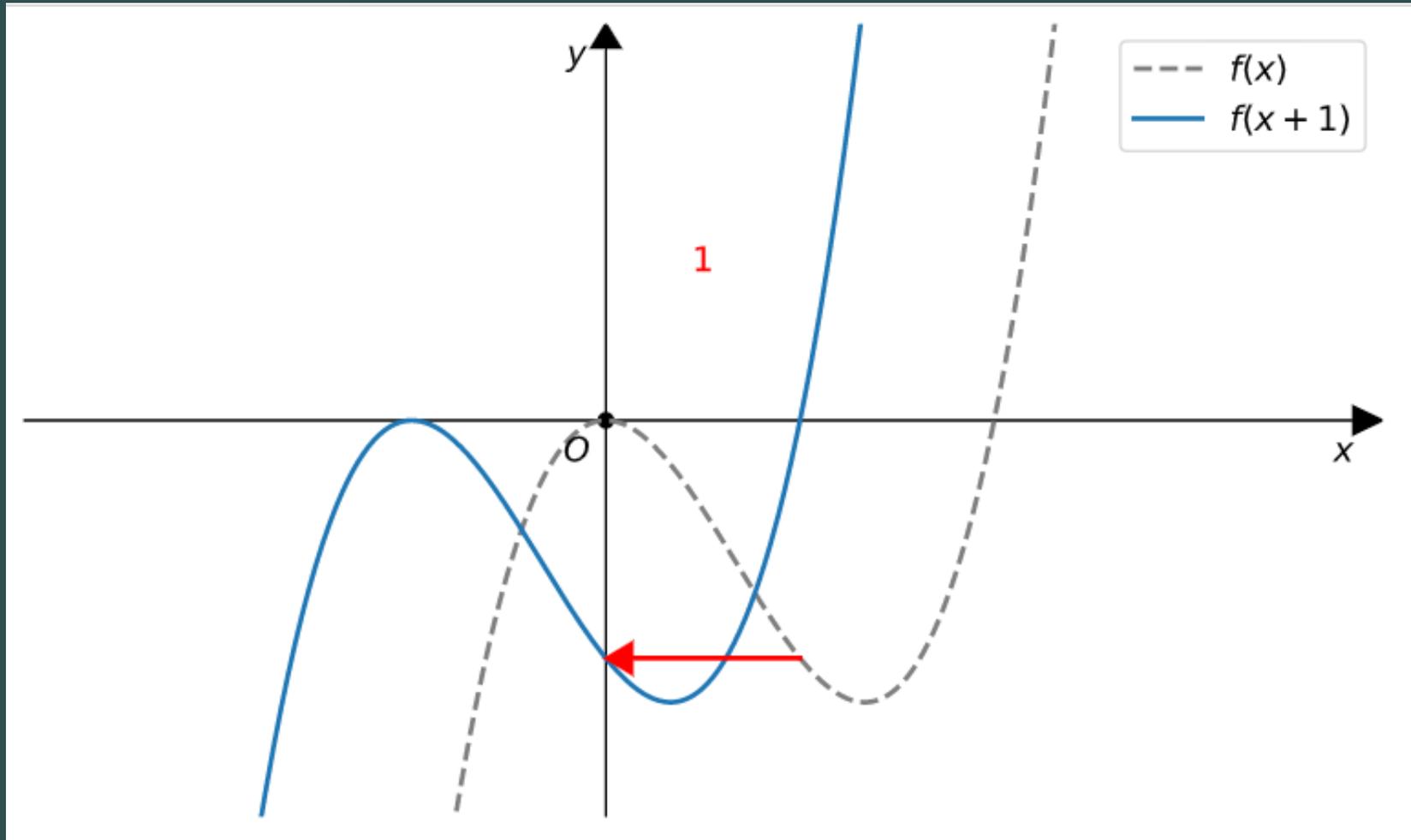


# Caso (traslazione lungo x):

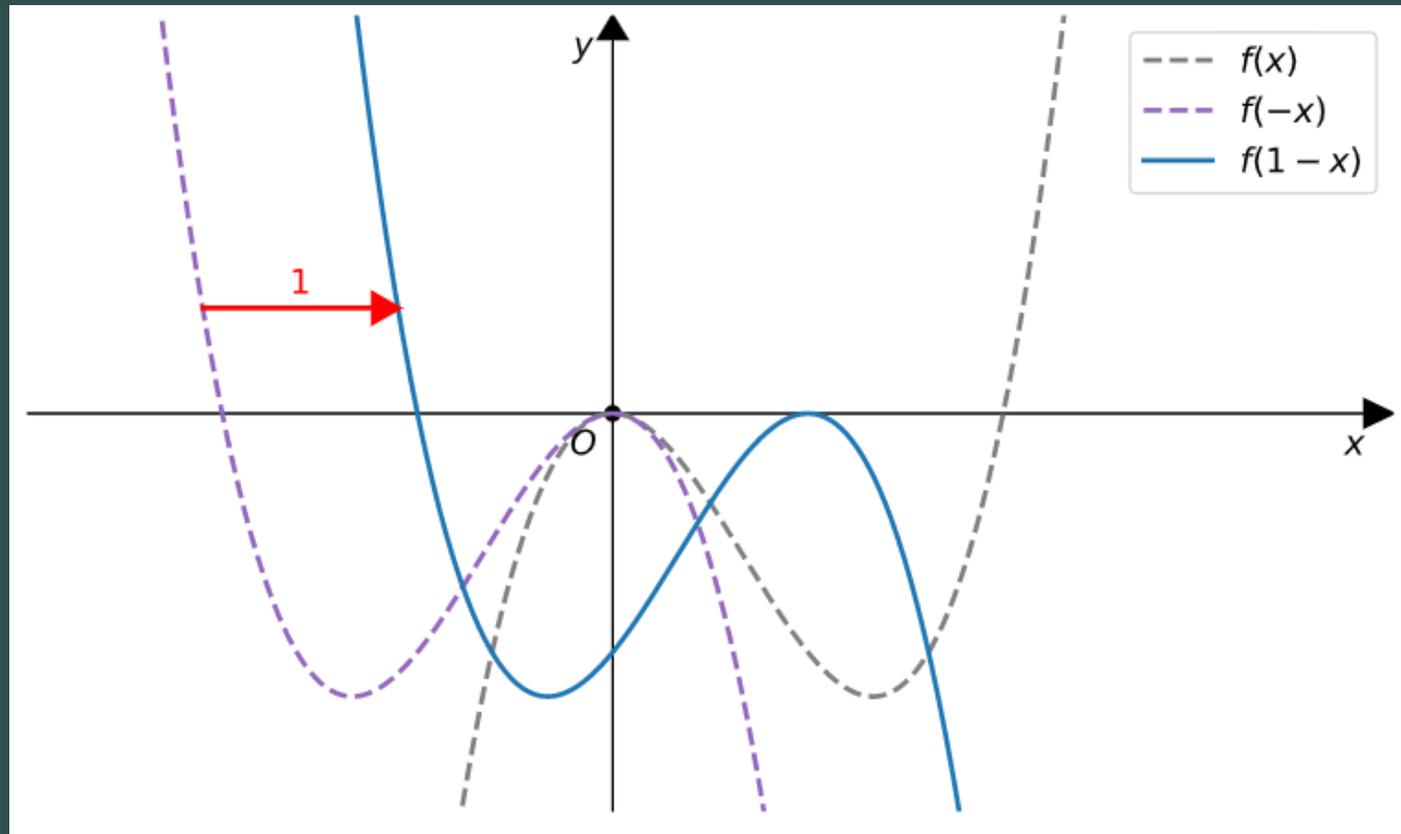
$$F(x) = f(x - 1)$$



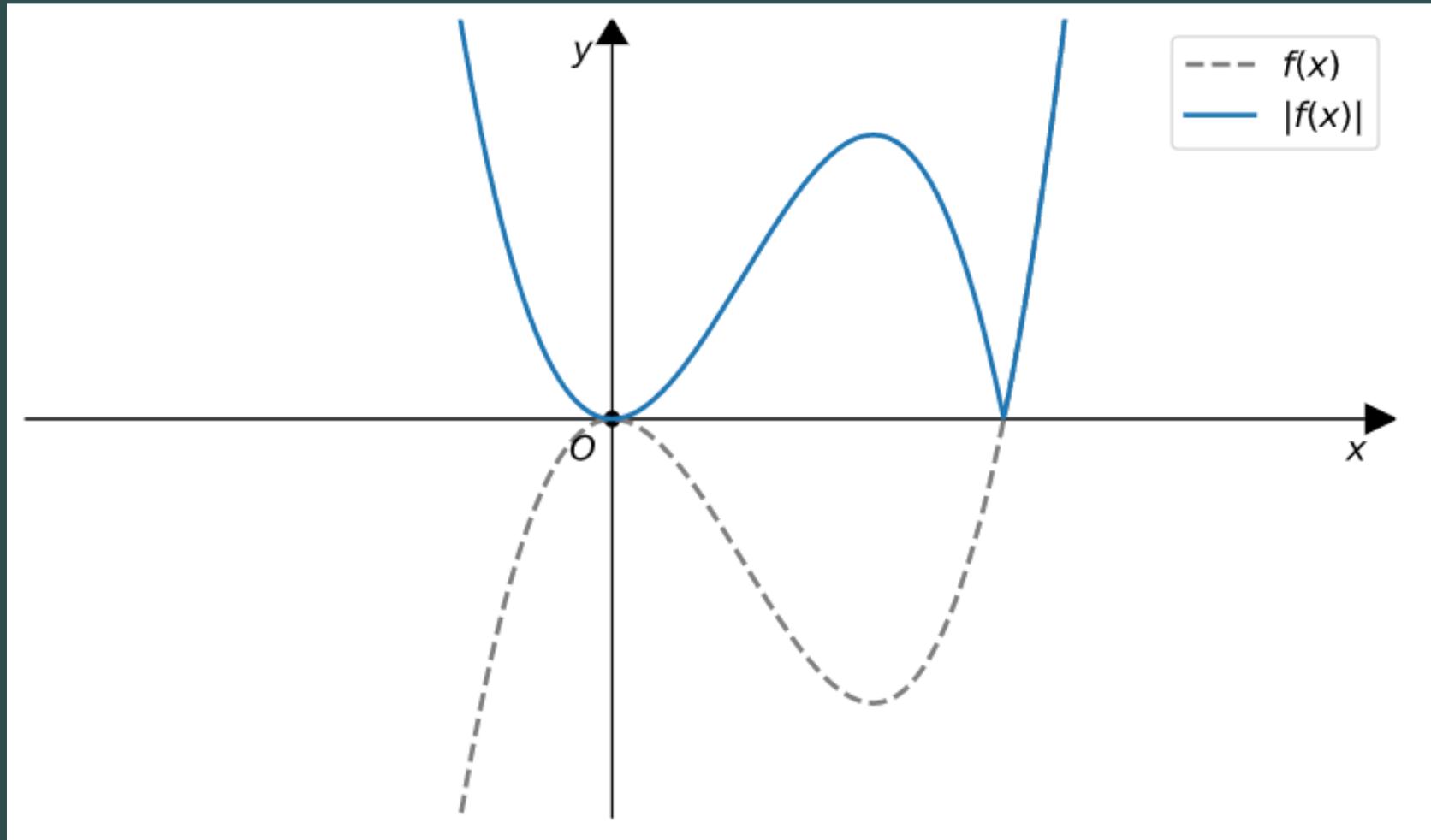
# Caso $F(x) = f(x + 1)$



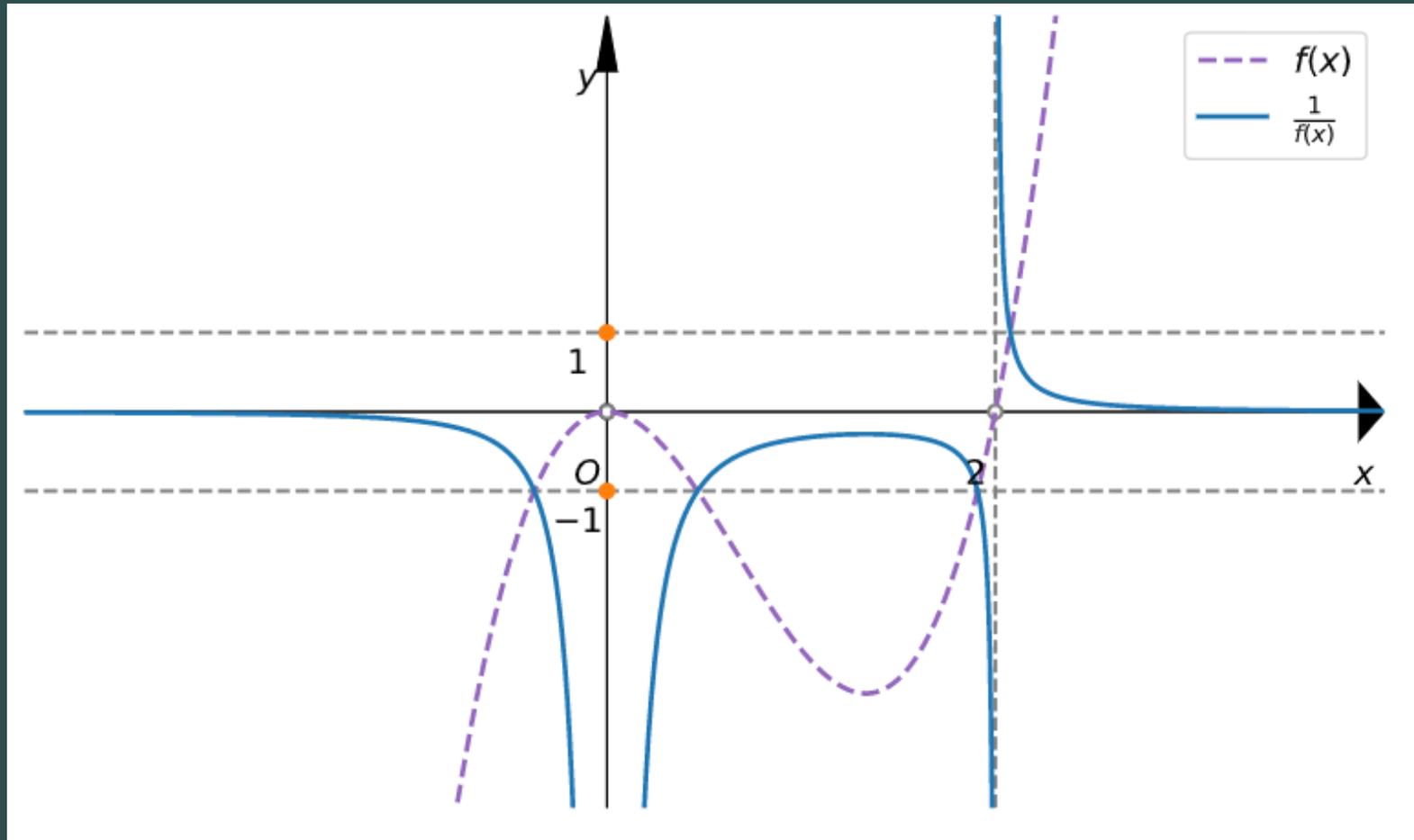
# Caso (traslazione con ribaltamento lungo $x$ ): $F(x) = f(1 - x)$



# Caso (valore assoluto): $F(x) = |f(x)|$



Caso (reciproco):  $F(x) = \frac{1}{f(x)}$





FINE

