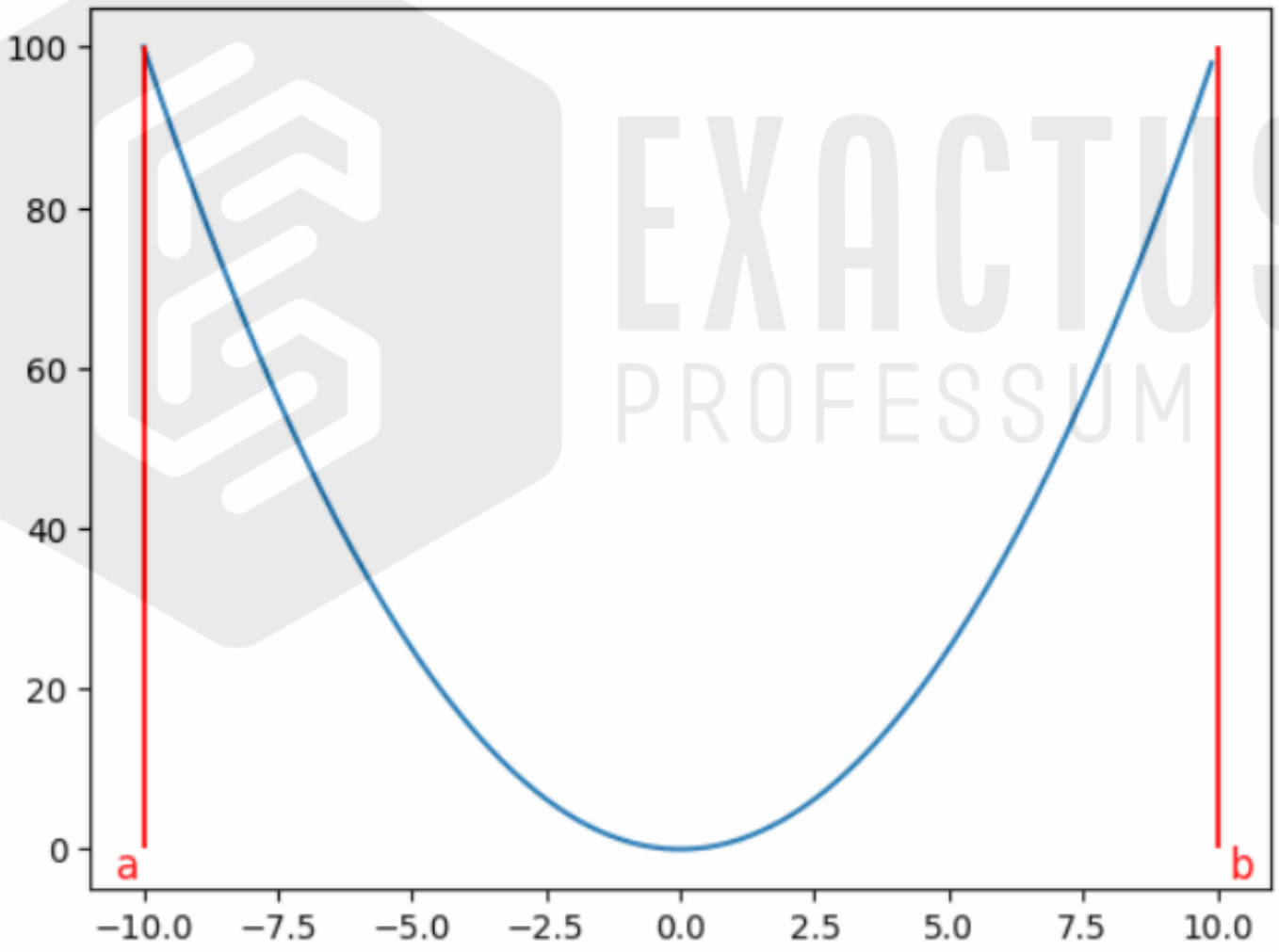
Cálculo de vértices de curvas

Dada uma função:

$$f(x) = x^2$$

Encontrar os **vértices** da curva, nos limites a e b:



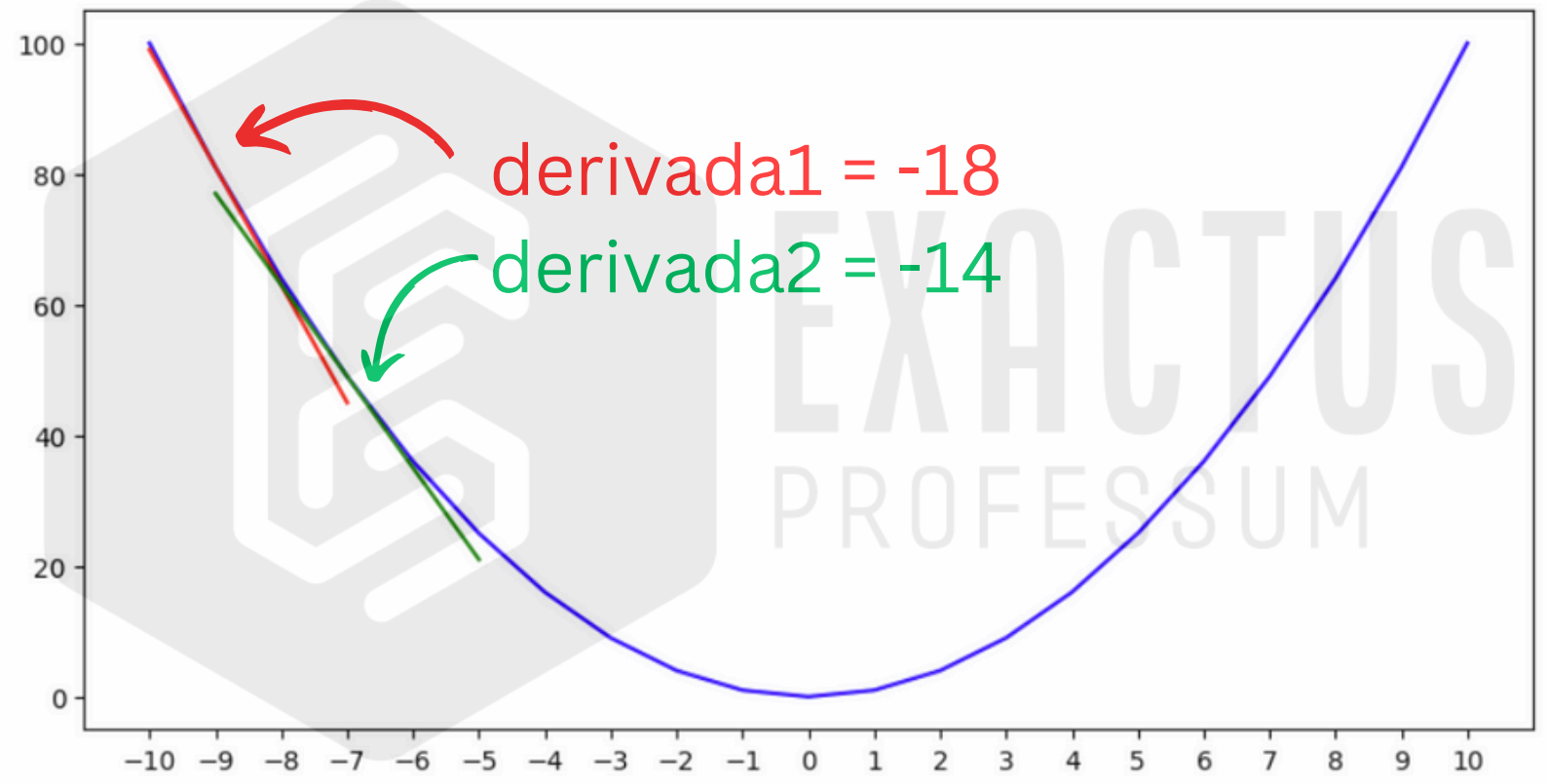
a = -10

b = +10

Cálculo de vértices de curvas

reta_um

reta_dois



tangente (-)

tangente (-)

SEM VÉRTICE!!!

Cálculo de integrais

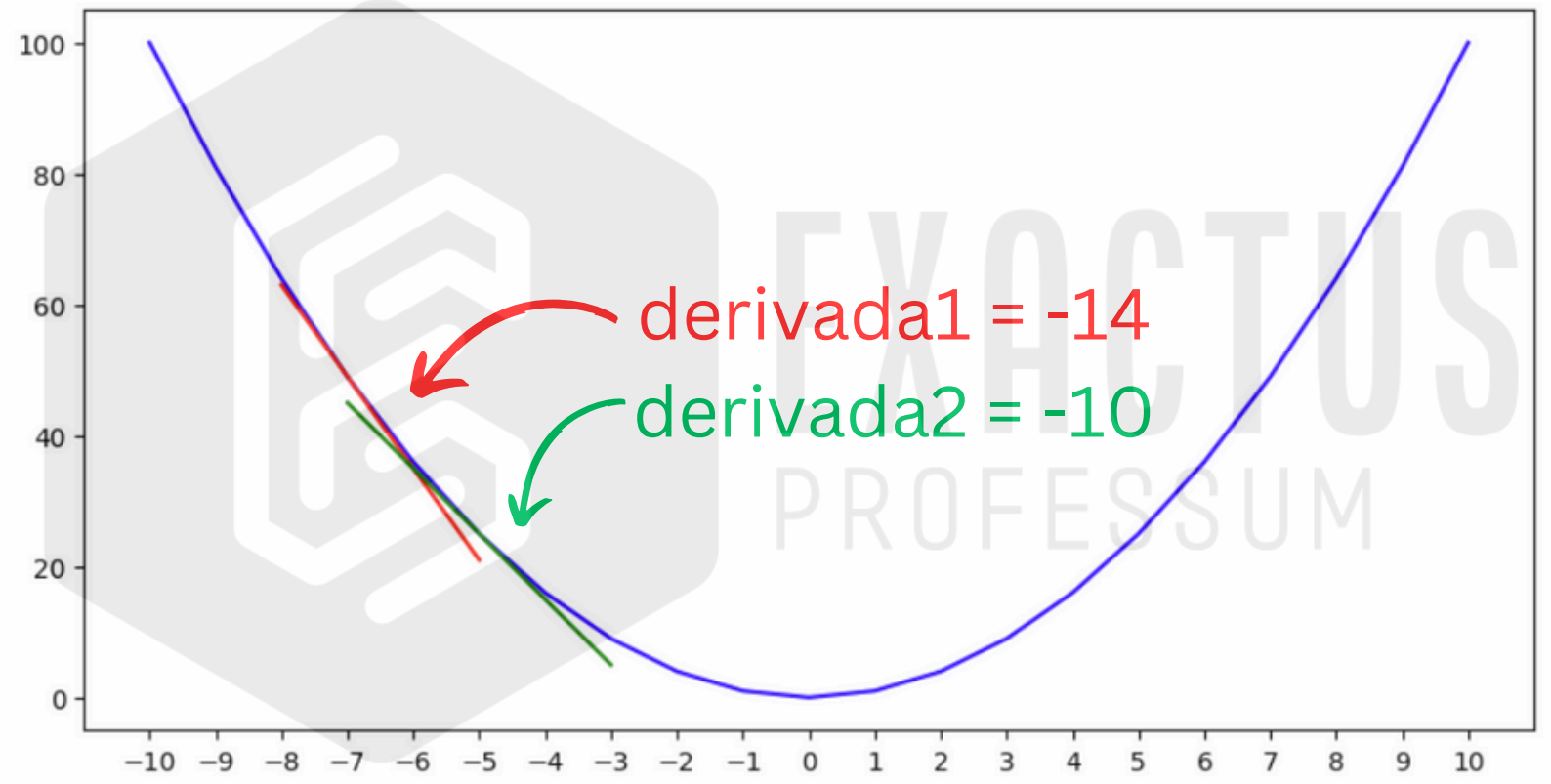
Dar
um
passo **(1)**
nas retas
um e **dois**
e
calcular as tangentes
(dx)
novamente

Iteração 1 para 2

Cálculo de vértices de curvas

reta_um

reta_dois



tangente (-)

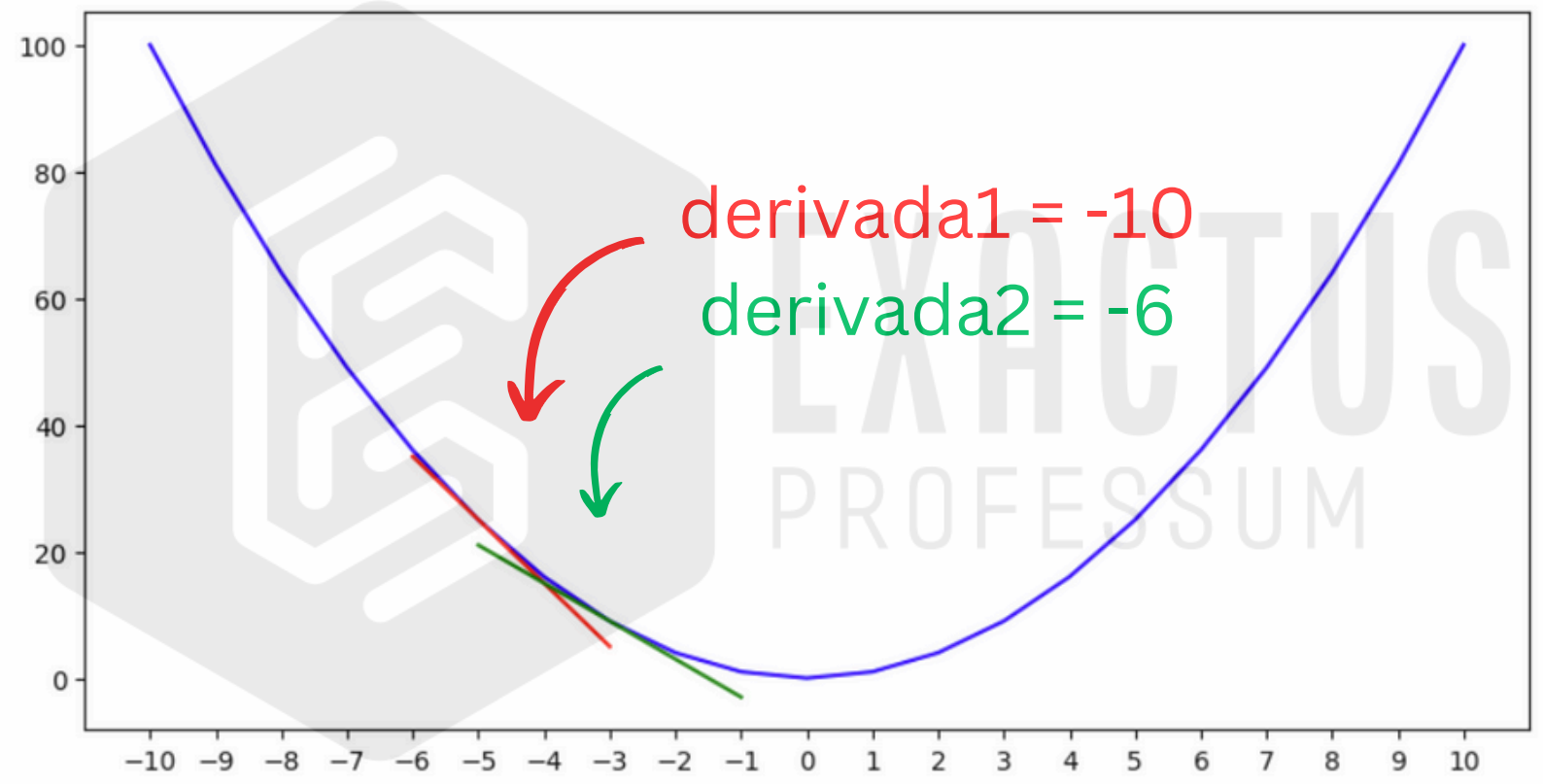
tangente (-)

SEM VÉRTICE!!!

Cálculo de vértices de curvas

reta_um

reta_dois



tangente (-)

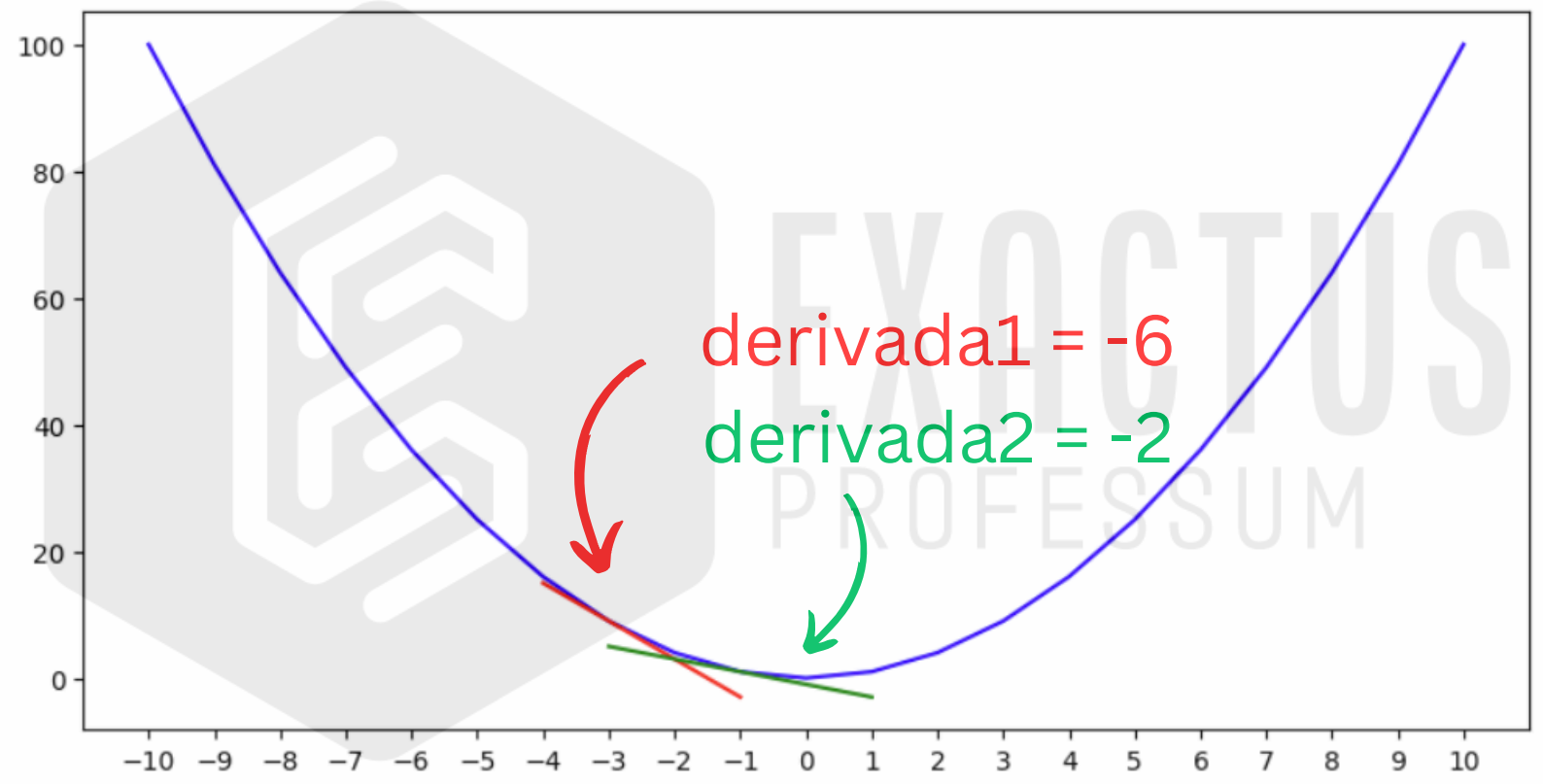
tangente (-)

SEM VÉRTICE!!!

Cálculo de vértices de curvas

reta_um

reta_dois



tangente (-)

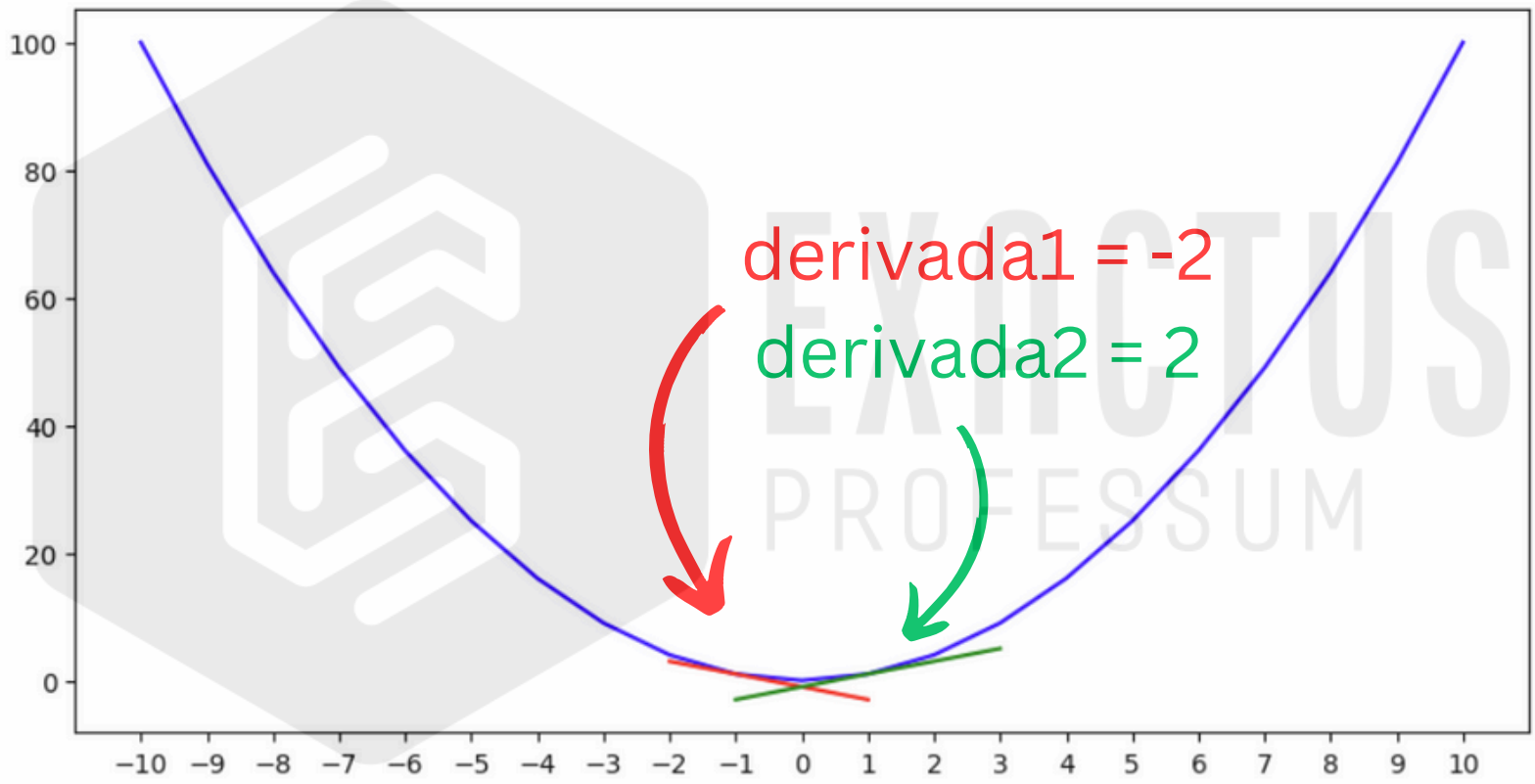
tangente (-)

SEM VÉRTICE!!!

Cálculo de vértices de curvas

reta_um

reta_dois



tangente (-)

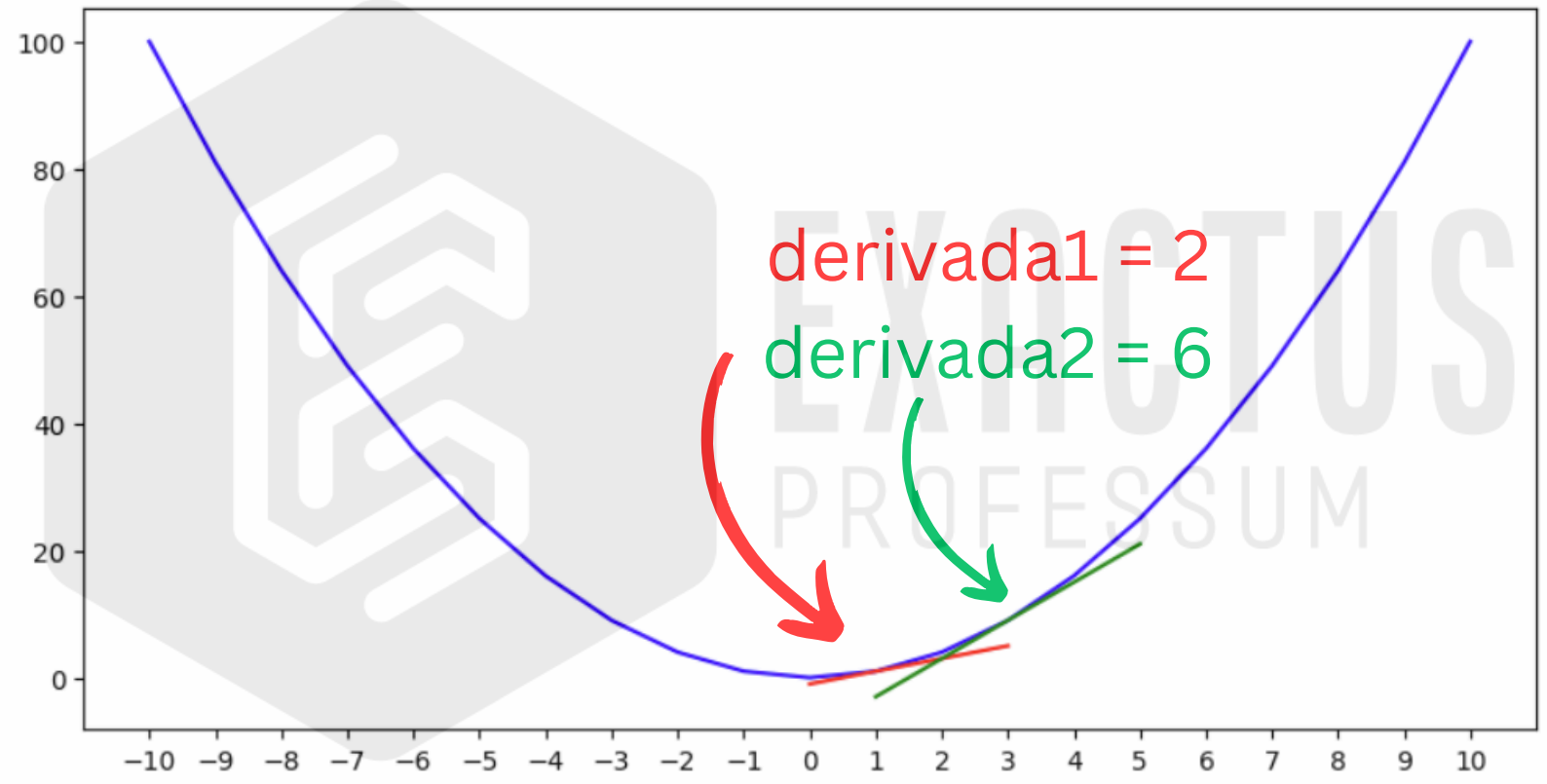
tangente (+)

COM VÉRTICE!!!

Cálculo de vértices de curvas

reta_um

reta_dois



tangente (+)

tangente (+)

SEM VÉRTICE!!!