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# Newton approximation

1分

Given a starting guess of  $x_0 = 1$  to find a zero of the function  $f(x) = x^2 - 3$ , what is the linear approximation  $\tilde{f}$  of  $f$  used by the first step of Newton's method? Your answer should be of the form  $a*x+b$  with two concrete numbers  $a$  and  $b$ , or an equivalent mathematical expression.

回答\*

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