

## NEWT.8XP

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### Description:

This program solves for the roots of equations (places where the equation touches the X-axis) using Newton's Method.

The user must enter the original equation and the derivative of that equation and the program will graph it.

The user should then choose a starting point (initial guess) and the program will find the next guess and input it as X until it finds the root using the function...

$$x_{n+1} = x_n - \frac{f(x_n)}{f'(x_n)}$$