

Roots of equation- Newton/Raphson Method

```
SUB Newton (x0, accu)
10 x1 = x0 - (F(x0) / D(x0))
IF ABS(x1 - x0) < accu THEN GOTO 20
x0 = x1
GOTO 10
20 PRINT USING "root=##.####"; x1
PRINT USING "because: F(root)=##.####"; F(x1)
PRINT "*****"
END SUB
```

<https://www.wolframalpha.com/>