

Activity 1

a) $F(x) = x^2 - 1$

f) When F changed to x^2+1 , `newton()` diverges and gets stuck in an infinite loop (assuming you don't g).

g) `y = math.sin((math.e)**x) + math.pi`

- No. Some values converge, some values diverge, but of the points tested, none were found that converged to the same value
- Either around six, exactly one, or infinite