

HW #1 Due Tuesday 25 August 2020

H.W. $y = 10 + \sqrt{x}$

x	y	$\frac{dy}{dx}$
0		
1		
2		
3		

Find $\frac{dy}{dx}$.

Approximate Δy
when $x=2, \Delta x=0.1$
and $\Delta x=-0.2$.

Compare the actual Δy
to find the errors.

H.W. Find 2nd order derivative of $y = 10 + \sqrt{x}$
and plot the graph of y and $\frac{dy}{dx}$.
Is the slope of slope a constant.