```
FIND THE DY/DX (LONG METHOD)
                                                                          \frac{dy}{dx} = \lim_{h \to 0} \frac{d(x+h) - f(x)}{h}
      y= 3x8 - Gx2 -x +7 = flx)
            \frac{dy}{dx} 3x^3 - 6x^2 - x + 7 \longrightarrow constant rule = \lim_{n\to 0} \frac{(3(x+h)^3 - 6(x+h)^2 - (x+h) + f) - (3x^3 - 6x^2 + x+h)}{(x+h)^3 - 6(x+h)^2 - (x+h) + f} = \frac{dy}{dx}
      40 \frac{dy}{dx} 3x^3 - (x^2 - x) exponent raise to 0 lim \frac{3(x^2 + 3x^2 h + 3xh^2 + h^3) - 6(x^2 + 2xh + h^2) - (x + h)}{h_{10}}
  -1+0 dx 3x3-6x2 - Power pule and constant multiple
                                        |im (3x3+9x2h+9xh2+3h3)-(6x2+12xh+6h2)(xth)
+7-[3x3-6x2-x+7]
                                              (3x3 +9x2 + 9xh + 3h2) -(6x2 + 12x + 6h) - x+7
                                                                                                                  nzo
                                        lim
                           \frac{dy}{dx} = \lim_{n \to 0}
                                            9x2 - 12x-1
2) y= \x ar x 1/2
                                      lim (x+x1/2h+x1/2h+h2)-(x)
                                                                           -> h20
                                     n 70
```