Quiz #22

Name: Kex

You must show your work to get full credit.

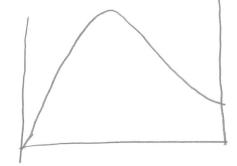
Let

$$f(x) = \frac{x + x^3}{3^{x-1}}.$$

For  $0 \le x \le 6$  use your calculator to find

 $|\Upsilon| = (\chi + \chi^3)/3^{(\chi-j)}$  The maximum of f(x) = 3.488

The minimum of f(x)



The maximizer of f(x) = 2-4.75

From the graph we see that the minimizer is  $\chi=0$  and that

the minimum is BLOT =0

For maximum use zudeale maximimum