Sections 4,3 and 5,1

Petermine domain

Find X,Y intercepts

Determine behavior for

(arge X

(eg lim
x>±00)

N Find vertical asymptotes

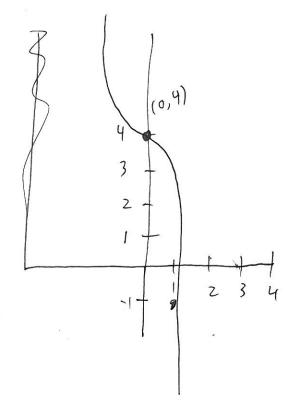
Determine includes intervals

Find relative extrema

Defermine regions of

concavity

Find inflection points



Exercise pzay $f(x) = 9 - 3x - 2x^3$ Domain: (-00,00) f(0)=4 Y intercept End behavior Ky $f'(x) = -6x^2 - 3$ 0=-6x2-3 3 = -6x2 -1/2 = x2 always decleasing f''(x) = -17x0=-12x (X=0 inflection po. $f(3) = 4 - 3(3) - 2(3)^3$ = 4-9-527 = 2009 -3} f(1) = 4-3(1)-2(1)3 =4-3-Z

5,1 Exercise 27 Sketch $Y=Z^{\times}$ $Y=3^{\times}$ $Y=3^{\times}=4^{\times}$ $Y=2^{\times}$