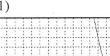


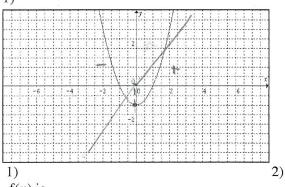
## Applying the First Derivative Test By: Lucy Solís

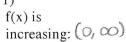


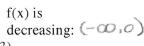
Name HANNIA LARISSA GOMEZ W. Group 401 Date NOV 10

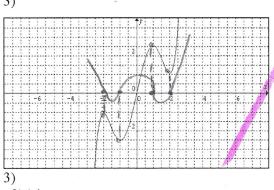
I. Use the graph to find the intervals in which the graph of f(x) is increasing or decreasing and sketch the derivative



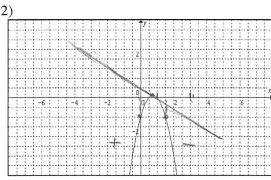




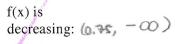


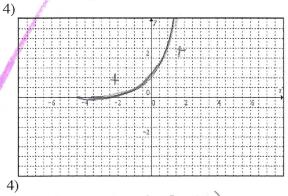


f(x) is increasing:  $(-\infty, -2)$ , (-1, 1),  $(2, \infty)$ 

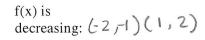


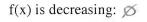
f(x) is increasing: (-00,0.75)

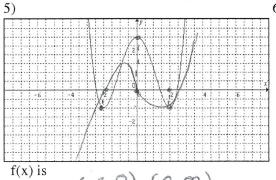


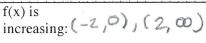


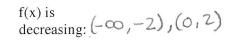
f(x) is increasing:  $(-\infty, \infty)$ 

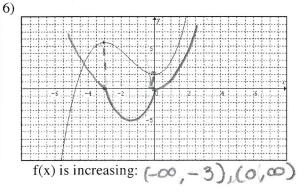












f(x) is decreasing: (-3, 0)