Graphing 1st & 2nd derivative

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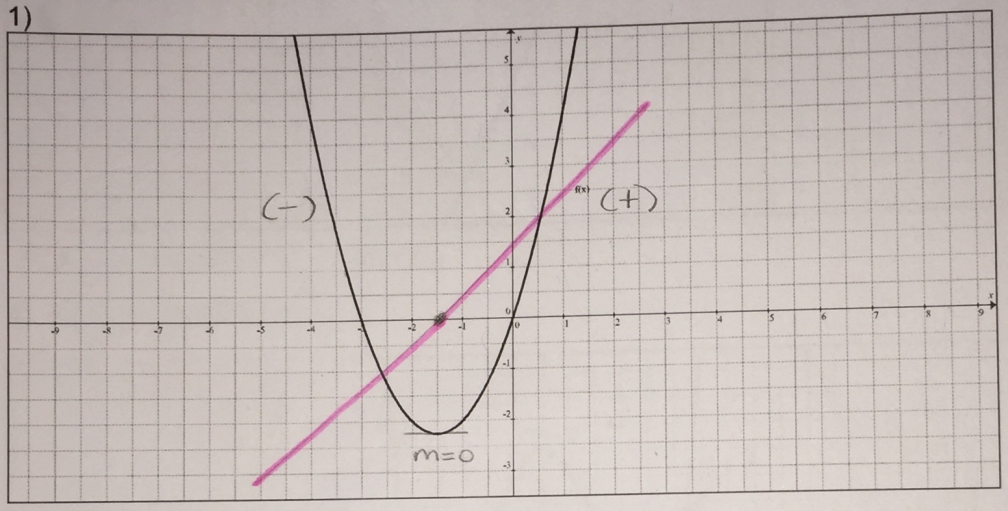
I. Given the graph of f(x) , sketch the graph of f´(x) on the same Cartesian plane (in a distinct color)

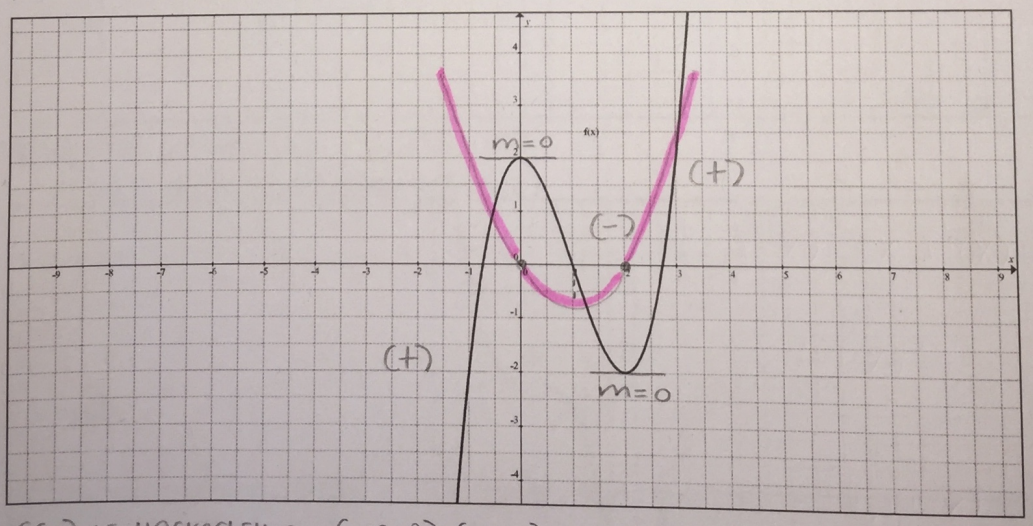
1)



F(x) is increasing $(-\frac{3}{2}, \infty)$

F(x) is decreasing $(-\infty, -\frac{3}{2})$

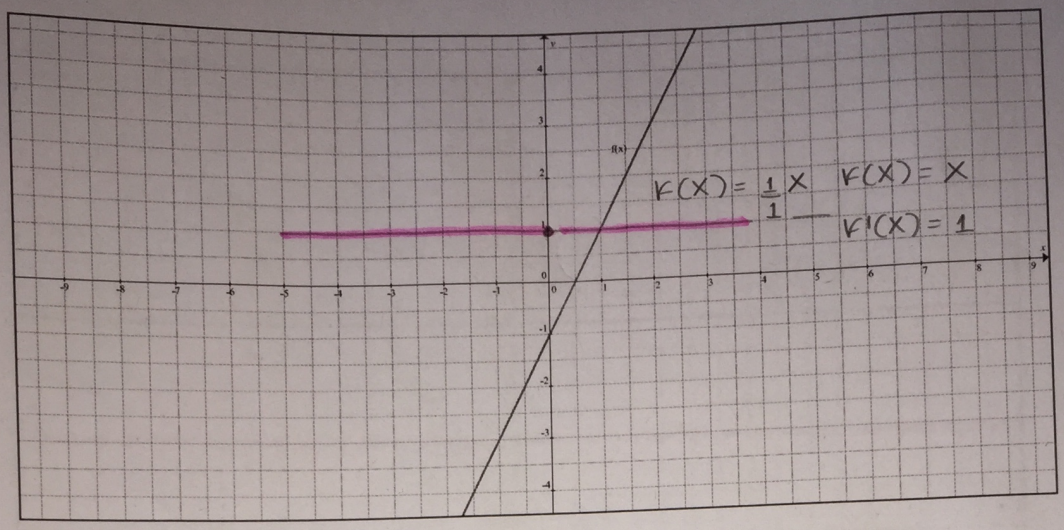
2)



F(x) is increasing $(-\infty, 0)\ (2, \infty)$

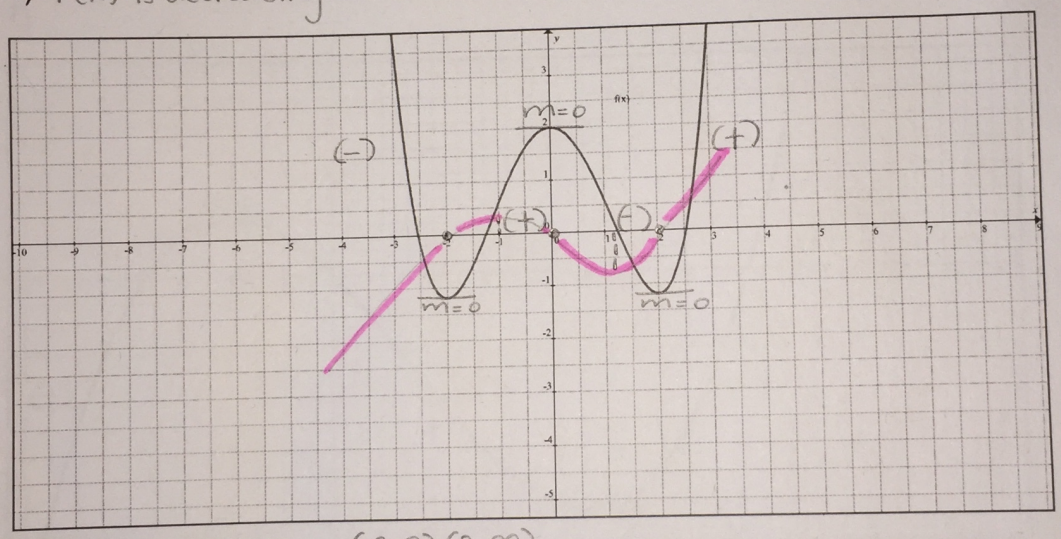
F(x) is decreasing $(0, 2)$

3)

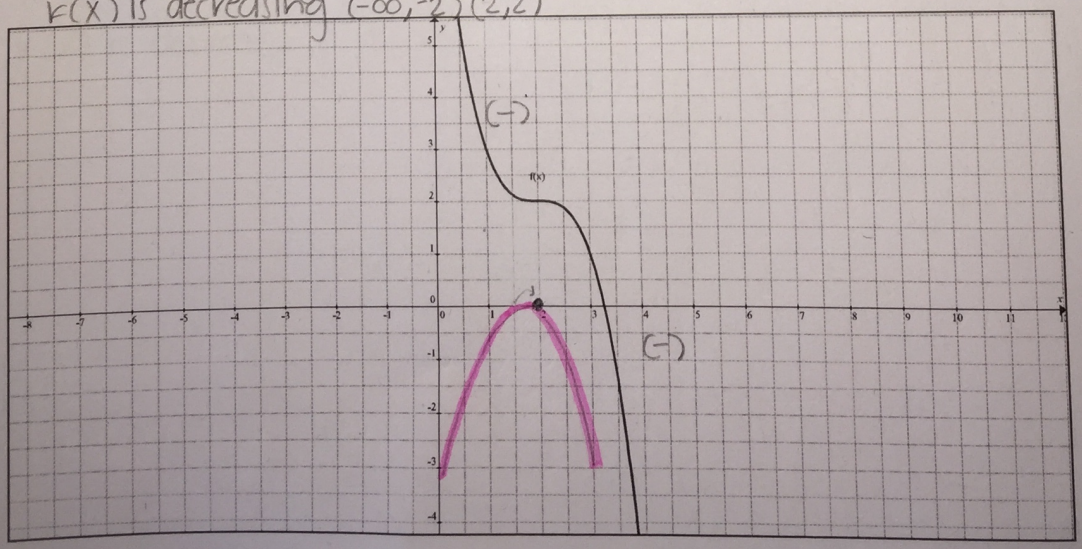


F(X) is increasing (-∞, ∞)

4) F(X) is decreasing



5) F(X) is increasing (-2,0) (2, ∞)
F(X) is decreasing (-∞, -2) (2,2)



F(X) is increasing
F(X) is decreasing (∞, -∞)