

In notes:

find where, if anywhere, $f(x)$ is $f''(x) < 0$ concave down.

$$f(x) = 2x^5 - 3x^4 - 2x^3 + 2x^2 - 4x + 3$$

$$f'(x) = 10x^4 - 12x^3 - 6x^2 + 4x - 4$$

$$f''(x) = 40x^3 - 36x^2 - 12x + 4 = 0$$

$$4(10x^3 - 9x^2 - 3x + 1) = 0$$

$$x = -0.413$$

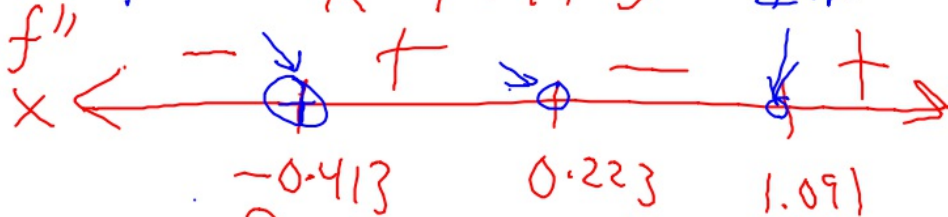
$$x = 0.223$$

$$x = 1.091$$

terrace pts.

Inflect. Point

I.P.



C.D. from

$$(-\infty, -0.413) \text{ and } (0.223, 1.091)$$

$x \in$