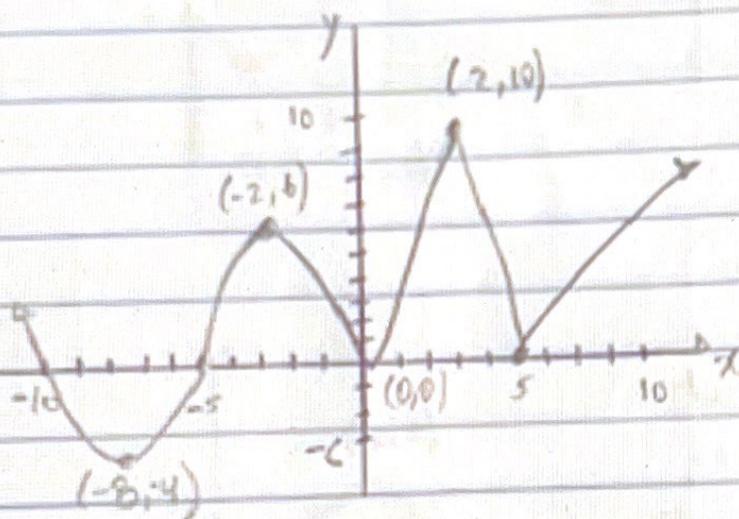


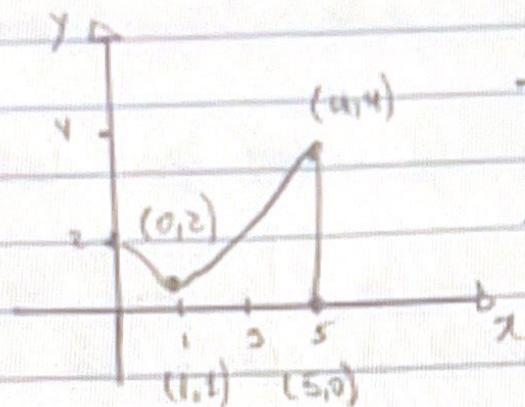
Homework Assignment 4.3, (Pages 230-232, Front: 11-69)

Use the Graph of the function F given



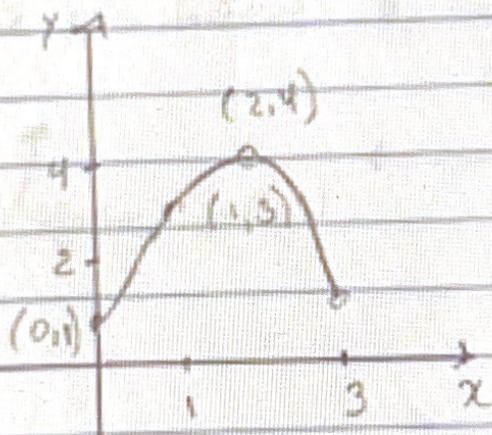
- is F increasing on the interval $(-8, -2)$: Yes, increasing
- is F decreasing on the interval $(-8, -4)$: Yes, decreasing
- is F decreasing on the interval $(2, 10)$: Yes, increasing
- is F decreasing on the interval $(2, 5)$: increasing
- List the interval(s) on which f is increasing: $(-2, 6), (2, 10)$
- List the interval(s) on which f is decreasing: $(-8, -4), (5, 10)$
- is there a local maximum value at 5? Yes, there is.
- List the number(s) at which f has a local maximum: $(2, 10)$
- List the number(s) at which f has a local minimum: $(-8, -4)$

46



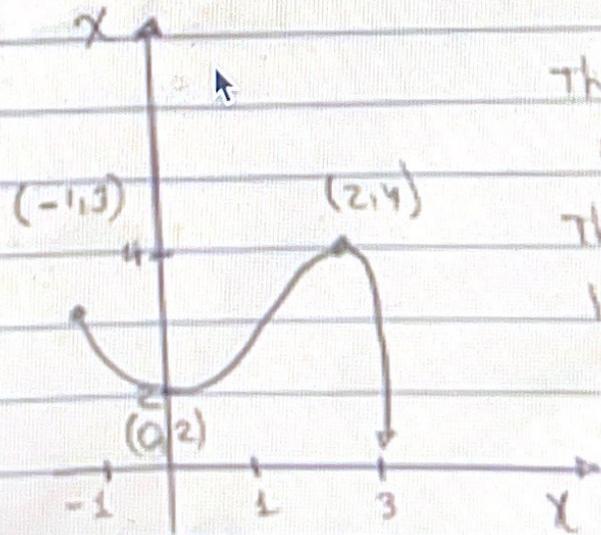
- The absolute maximum is $(4, 4)$
- The absolute minimum is $(5, 0)$

96



The absolute maximum is $(2, 4)$
The absolute minimum is $(0, 1)$

80



The absolute maximum is $(2, 4)$
The absolute minimum is $(0, 2)$