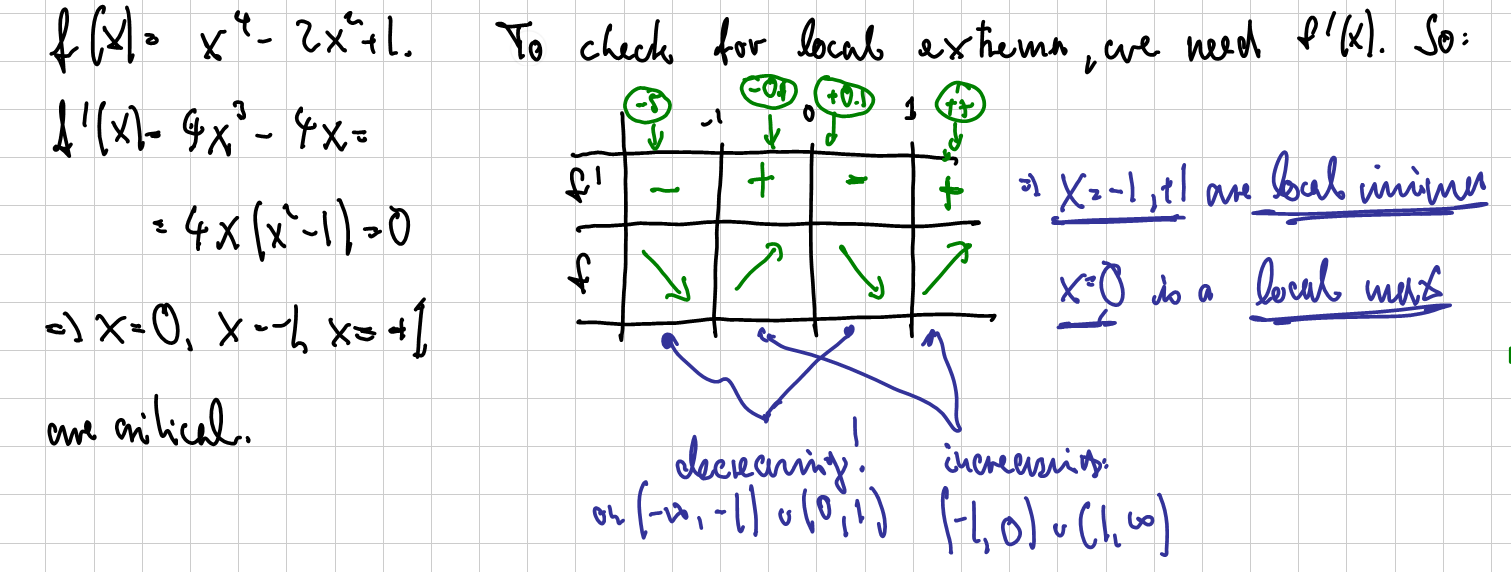
**Sample Quiz**

1. Consider the function . Determine and classify the local *extrema* and intervals where f is *increasing or decreasing*.
2. Consider the function . Find the intervals of *concavity* and identify all *inflection* *points*, if any.



1. Sketch the function , including all asymptotes, extrema, inflection points, intervals of increase, decrease, concave up, and concave down