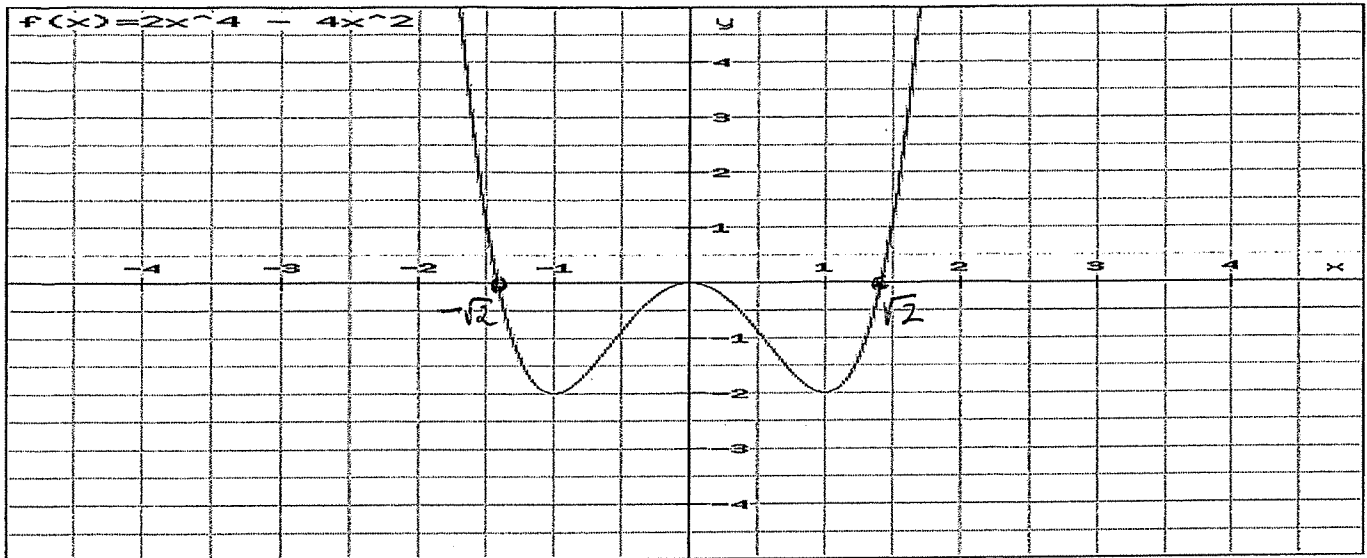


First derivative curve:

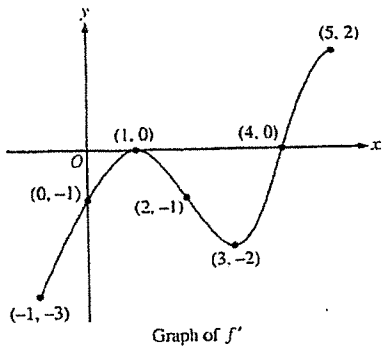


Extreme Points:

| | x-coordinate of the point | Reason for justification |
|------------------|---------------------------|--|
| Local maximum: | _____ | f' changes from positive to negative |
| Local minimum | _____ | f' changes from negative to positive |
| Inflection point | _____ | f' changes from decreasing to increasing |
| | _____ | f' changes from increasing to decreasing |

Intervals:

| | | |
|-------------------------------|-------|-------------------------------------|
| Increasing interval of $f(x)$ | _____ | f' is positive in that interval. |
| Decreasing interval of $f(x)$ | _____ | f' is negative in that interval |
| Concave up | _____ | f' is increasing in that interval |
| Concave down | _____ | f' is decreasing in that interval |



For each graph

① Identify the x-coordinates of local max, local min, inflection pts.

② Increasing/decreasing intervals.

③ Concavity intervals.

