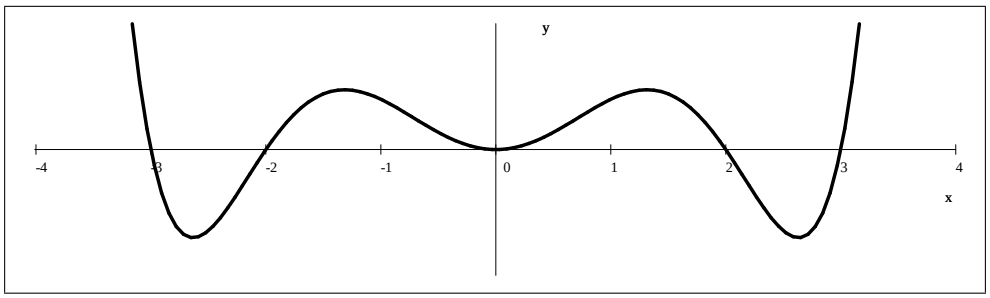
1. The graph below shows f', the first derivative of a function f.



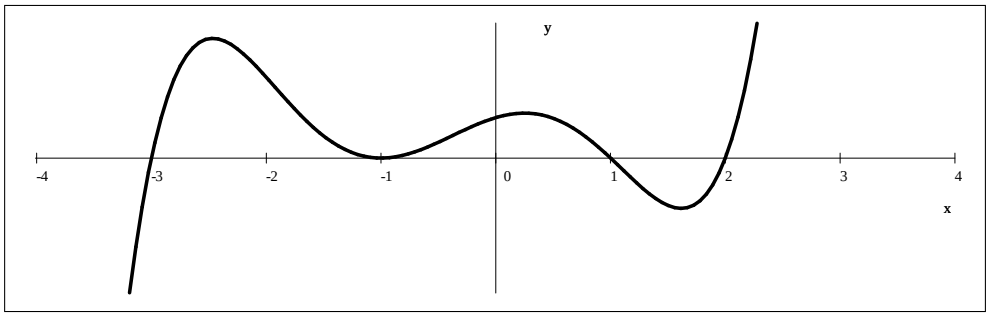
   (a) Find all values of x for which the function f has a local maximum at x.

   (b) Find all values of x for which the function f has a local minimum at x.

   (c) How many points of inflection does f have?

   (d) Sketch the graph of f.

2. The graph below shows f', the first derivative of a function f.



   (a) Find all values of x for which the function f has a local maximum at x.

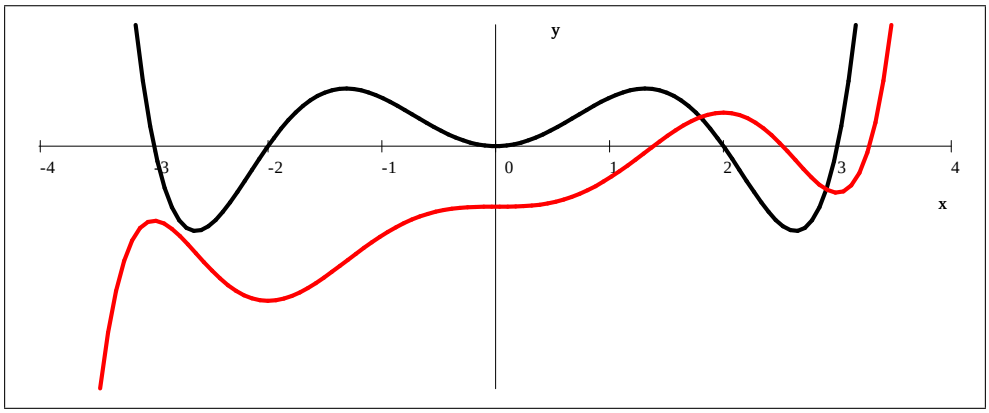
   (b) Find all values of x for which the function f has a local minimum at x.

   (c) How many points of inflection does f have?

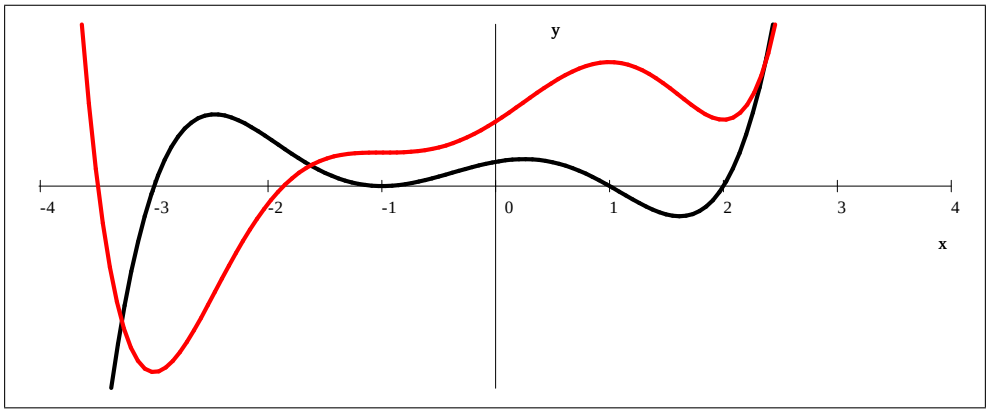
   (d) Sketch the graph of f.

Answers

1.) a) $-3, 2$ b) $-2, 3$ c) 5 d)



2.) a) 1 b) $-3, 2$ c) 4 d)



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