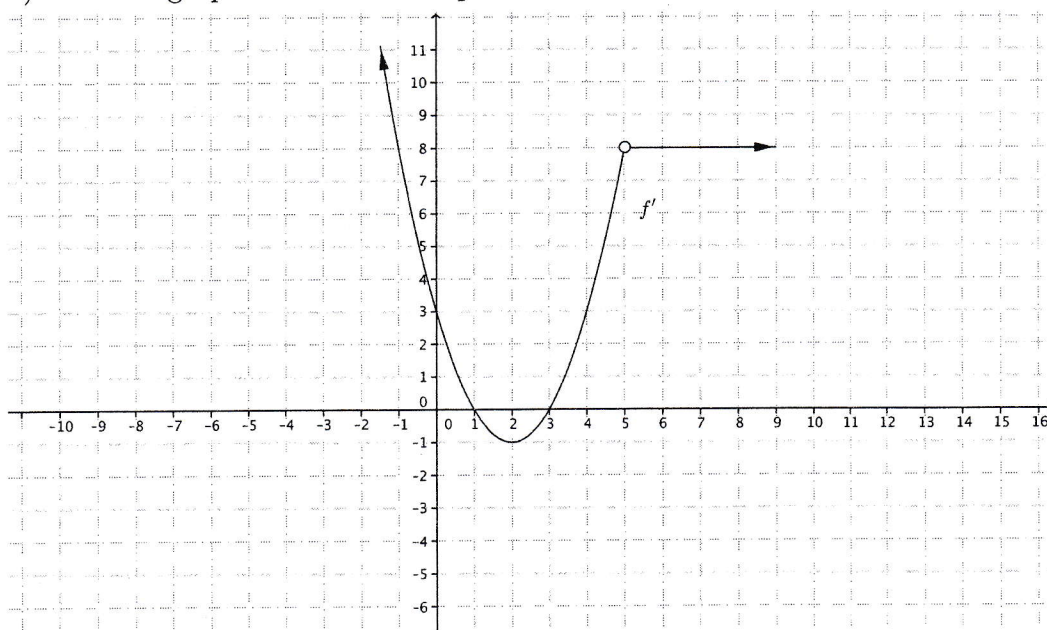


12. The following is a graph of f' , where f is a continuous function with domain $(-\infty, \infty)$. Use the graph to answer the questions that follow.



12.a On what interval(s) is f decreasing? (Remember, the graph above is **not** the graph of f , it's the graph of the derivative of f .)

12.b On what interval(s) is f concave up?

12.c For what value(s) of x does f have a local maximum?

12.d State the x -coordinate(s) of the point(s) of inflection of f .