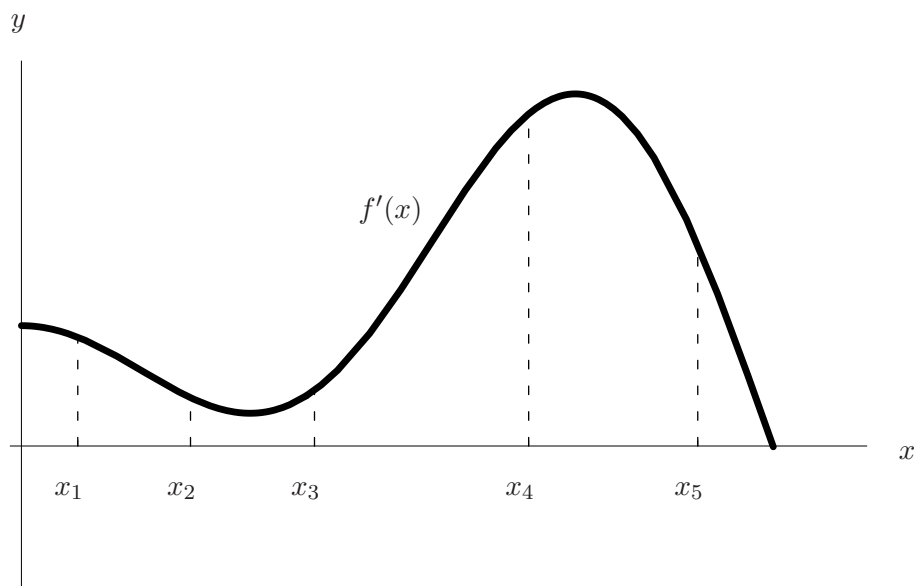


2. (12 points) The graph of the *derivative* function,  $f'$ , is given below. List all of the marked  $x$ -values, if any, from the figure for which the following statements are true. If no marked  $x$ -values apply, write “none.”



(a) The value of  $f(x)$  is greatest \_\_\_\_\_

(b)  $f''(x) < 0$  \_\_\_\_\_

(c)  $f$  is decreasing \_\_\_\_\_

(d) Slope of  $f$  is positive \_\_\_\_\_

(e) The graph of  $f$  is concave up \_\_\_\_\_

3. (4 points) This exam will be graded out of 100 points. There are approximately 2000 students taking the exam. When the test has been graded, there will be a function assigning to each student a score on the exam. Will this function be invertible? Why or why not?