

Name _____

Mathematics 105: Calculus I
Fall Semester 2009
David Haines
September 23
Quiz #5

Suppose that $f''(x) = x - 1$, so the second derivative of f is a linear function.

- A. f' increases on the interval _____.
- B. f is concave up on the interval _____.
- C. f' decreases on the interval _____.
- D. f'' increases on the interval _____.
- E. f'' is positive on the interval _____.
- F. f is concave down on the interval _____.
- G. Sketch a possible graph of the function f .