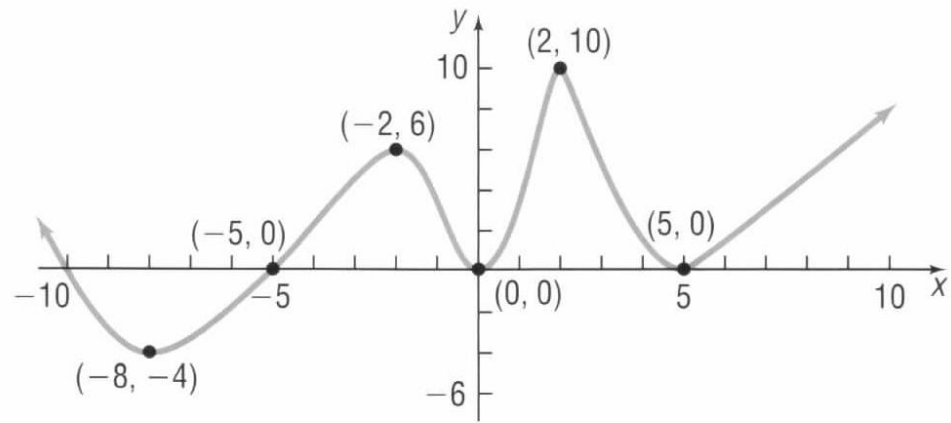


20080206 Quiz 3

Student name: _____

There are 3 problems – see the other side!

1. If this is the graph of $f(x)$:



- a. List the interval(s) on which f is increasing.
- b. List the numbers at which f has a local maximum. What are these local maxima?

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2. Find the average rate of change of $f(x) = -2x^2 + 4$ from 0 to 2.

3. Determine algebraically whether the function $f(x) = \frac{1}{x^2}$ is even, odd, or neither.