MA 120-04 §2.1 - 2.2 Quiz #2	score	Name:3 February 2003
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1. If values for f(x) are given in the following table, estimate the value f'(5) from the data. Explain. (6 points)

x	5	10	15	20
f(x)	2.1	3.5	8.0	11.1

2. Estimate the instantaneous rate of change of the function $f(x) = 2^x$ when x = 2 (i.e., estimate f'(2)) by calculating the average rate of change over small intervals around x = 2. Explain what you do. (7 points)

3. Estimate the derivative of the function graphed to the right at x = 2. Sketch a graph of the derivative of the function on the same set of axes. (7 points)

