Quiz 7

Dec. 6, 2006

1. (10 pts)

$$\lim_{x \to 0} \frac{x^2}{e^{2x} - 1} = ?$$

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2. (10 pts) Find the inflection point and determine the intervals where the graph is concave up and concave down of $f(x) = x^2 - \frac{1}{x}$.