

QUIZ NUMBER THREE FOR MTH 101, FALL006

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Name _____, Id. Num. _____, Score $\frac{\quad}{15}$

QUESTION 1. Let x be the number of DVD's in HUNDRED. Given the selling price per DVD is $p = -0.1x + 60$ in dollars. The total cost is $C(x) = 10x + 4000$ in HUNDRED of dollars.

- 1) Sketch $R(x)$ and $C(x)$ in the same coordinate system. (USE THE BACK).
- 2) For what values of x will a profit occur?

3) What should the selling price per DVD be in order to get max. profit?

4) What is the maximum profit?

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