

“QUIZ” for Nov. 10, 2008

NAME: (print!) _____ **Section:** _____

E-MAIL ADDRESS: (print!) _____

1. Find $y = y(x)$ if $\frac{d^2y}{dx^2} = 6x$, $\frac{dy}{dx}(0) = 0$ and $y(0) = 0$.

2. Evaluate the following limit-Riemann sums by any method you like.

$$\lim_{n \rightarrow \infty} \sum_{i=1}^n \left[\frac{3i}{n} - \left(\frac{i}{n} \right)^2 \right] \frac{1}{n} .$$