

Name: _____ **MATH 210 Quiz 2 (Sep 9, 2005)** no calculators!

Given a vector function $\vec{r}(t) = \langle \cos t, \sin 2t, e^{3t} \rangle$, find $\vec{r}'(t)$, $\vec{r}''(t)$, $\int \vec{r}(t) dt$.