

MATH 251, Section _____
Thursday, Dec. 2, 2010

Quiz 13 (Sections 14.6, 14.7).
Dr. M. Vorobets

NAME (print): _____

No credit for unsupported answers will be given. Clearly indicate your final answer.

1. [10 pts.] Evaluate $\iint_S x \, dS$, where S is the surface $y = x^2 + 4z$, $0 \leq x \leq 2$, $0 \leq z \leq 2$.