

MATH 275

October 9, 2007

Names _____

Please put your work and answers on this worksheet,

1. Evaluate the following integrals

(a) $\int_1^2 \int_0^3 (1 + 8xy) \, dx dy.$

(b) $\int_0^3 \int_1^2 (1 + 8xy) \, dy dx.$

(c) $\int_0^3 \int_0^1 x (x^2 + y)^{1/2} \, dx dy.$

(d) $\int_0^1 \int_{-1}^1 \sqrt{4 - x^2} \, dy dx.$