MATH 275

October 31, 2007

Names _____

Find the parametric form of the curves C_1, C_2, and C_3 in problems 1.-3..

1. The curve C_1 is the line going from $(0, 0)$ to $(1, 0)$.

2. The curve C_2 is the line going from $(1, 0)$ to $(1, 2)$.

3. The curve C_3 is the line going from $(1, 2)$ to $(0, 0)$.

4. Calculate $\int_C x^2 y dx + x dy$ where C is the curve going around the triangular path from $(0,0)$ to $(1,0)$ to $(1,2)$ to $(0,0)$ in a counter clockwise direction.