

King Fahd University of Petroleum and Minerals
Department of Mathematics and Statistics
Math 302-04 Quiz No 3
Name:

Exercise #1: Verify Green's theorem in the case of the vector field $F = x^2y\mathbf{i} - 3y\mathbf{j}$ and D is the rectangle $0 \leq x \leq 3, 0 \leq y \leq 2$.