## MATH 251: Practice 23 July 9, 2015

Name: \_\_\_\_\_

Use Green's Theorem to compute

$$\int_{\mathcal{C}} (x^2y + e^x) \, dx + (xy^2 + y\sin(y)) \, dy$$

where  ${\mathcal C}$  is the unit circle, oriented counterclockwise.