

Prof. S. Brick
Spring '08

Differential Equations; Quiz 9

Math 238
section 102

0. Print your name: _____

Closed book and closed notes

1. Consider the system $x' = 2x - 3xy$ and $y' = 4y + xy$ with initial conditions $x(0) = .3$ and $y(0) = .2$. Use Euler's method with step size .25 to approximate $x(.5)$ and $y(.5)$.