

MATH 152 Quiz 7
Due Wednesday 10/27:

Name:

Show all work. 10 points.

1) Use Euler's Method to solve the differential equation with $h = .1$. Check your answer by solving the differential equation by hand and comparing (x_i, y_i) with $(x_i, f(x_i))$, where $f(x)$ is the solution to the differential equation, for $i = 0$ to 6.

$$\frac{dy}{dx} + 2xy = x, y(0) = 1$$