1. Euler's Method Assignment

The spreadsheet *Eulers.xls* on the website (and eLearn) is set up to use Euler's method to estimate y(2) for the function y(x) satisfying the differential equation

$$y' + 3y = 6x$$

with a starting value (x, y) = (2, 2) and a step size h = 0.02.

Modify the spreadsheet to estimate y(3) for y(x) satisfying the equation

$$y' + 12xy = \sqrt{x}$$

with a starting value of (x, y) = (1, 0) and a step size h = 0.1.

You should submit your spreadsheet to the drop box associated with this assignment on eLearn (Eulers).