Group members (2 to 4):

(1) Use Euler's method to estimate y(1) if y(0) = 1 and $\frac{dy}{dx} = \frac{y}{2-x} + x^2$, using 1, 2, and 4 steps.

(2) Find the exact value of y(1) by solving the initial value problem (note that the ODE is linear).