

### Math 455: Homework 3

Due before class on Friday September 5, 2014, by e-mail

Write a MATLAB function that takes two vectors  $\mathbf{x} = (x_0, x_1, x_2)$  and  $\mathbf{y} = (y_0, y_1, y_2)$  as inputs, and returns the divided difference  $[x_2 x_1 x_0]$  as an output.