

1. Solve the equation $x^6 - 9x^5 + 34x^4 - 20x^3 - 261x^2 + 949x - 1014 = 0$ for all real and complex roots, with the help of synthetic division, using

(a) Muller method with initial guess $x_0 = 0, x_1 = 1, x_2 = 2$

x_1	
x_2	
x_3	
x_4	
x_5	
x_6	

(b) Laguerre method with initial guess $x_0 = 0$

x_1	
x_2	
x_3	
x_4	
x_5	
x_6	