Root Finding: Newton-Raphson Method 1

Determine the largest real root of the equation $f(x) = x^3 - 6x^2 + 11x - 6.1$:

a) Graphically
b) Using 3 iterations of the Newton-Raphson Method with initial guess $x_0 = 3.5$. Fill out the following table:

Iteration	x_{i+1}	$|e_a|$ (%)
1		
2		
3		

Recall that $|e_a| = 100\% * \left| \frac{present - previous}{present} \right|$.