

***Describe the use of MatLab as a computational tool to help solve any of the problems from the lab***

MatLab is really useful for graphing plots. In this lab it was helpful since I was only given the coefficients of a polynomial rather than the whole polynomial itself. With MatLab I was still able to graph the polynomial with other given points from the penicillin data. MatLab also enabled me to compare and contrast the difference between different order polynomials. MatLab is also very useful in extrapolating interpolating data that might be difficult to do on paper. For example, on paper it would be harder to calculate the penicillin concentration after 50 minutes, while on MatLab you can just create some code to do it for you.

**Better Curve = Polynomial Function**