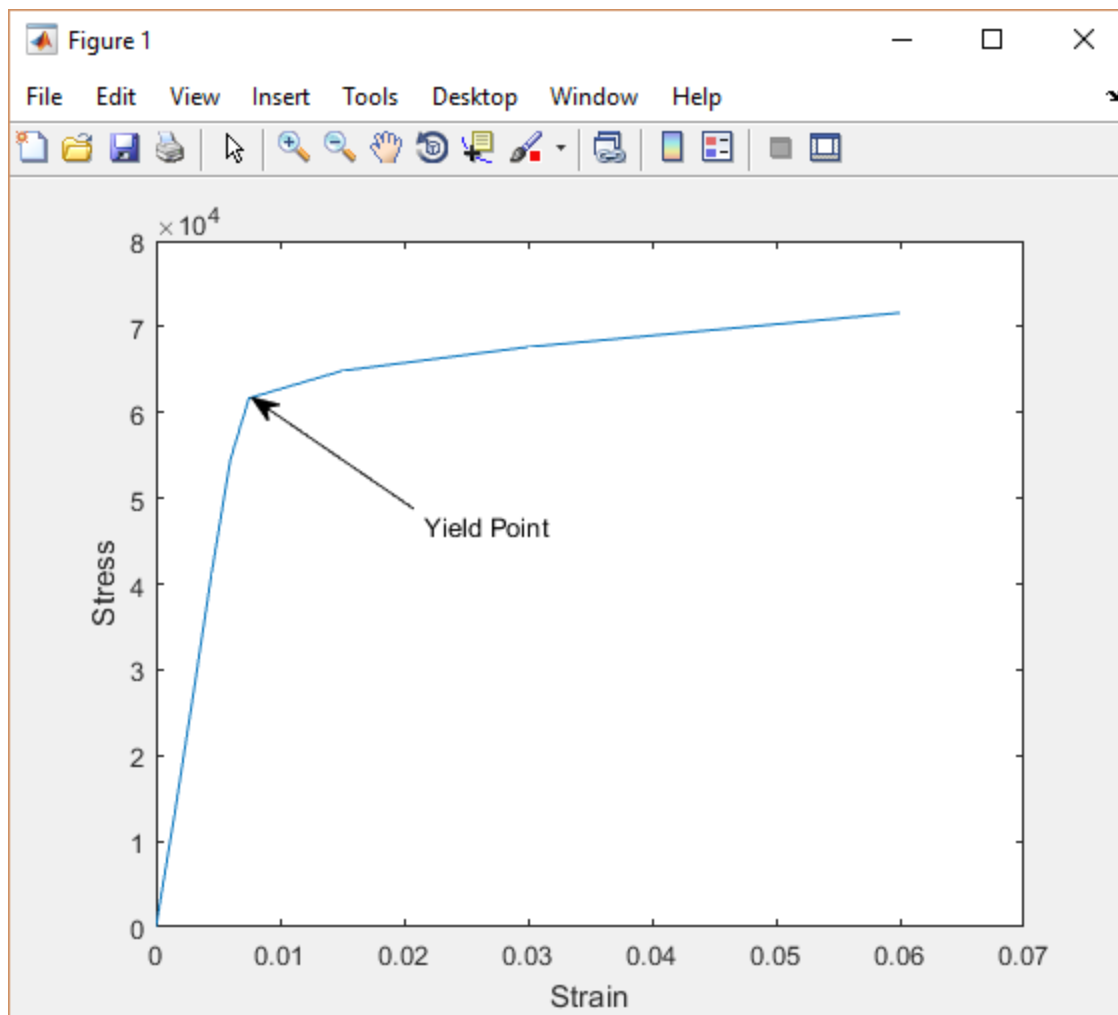
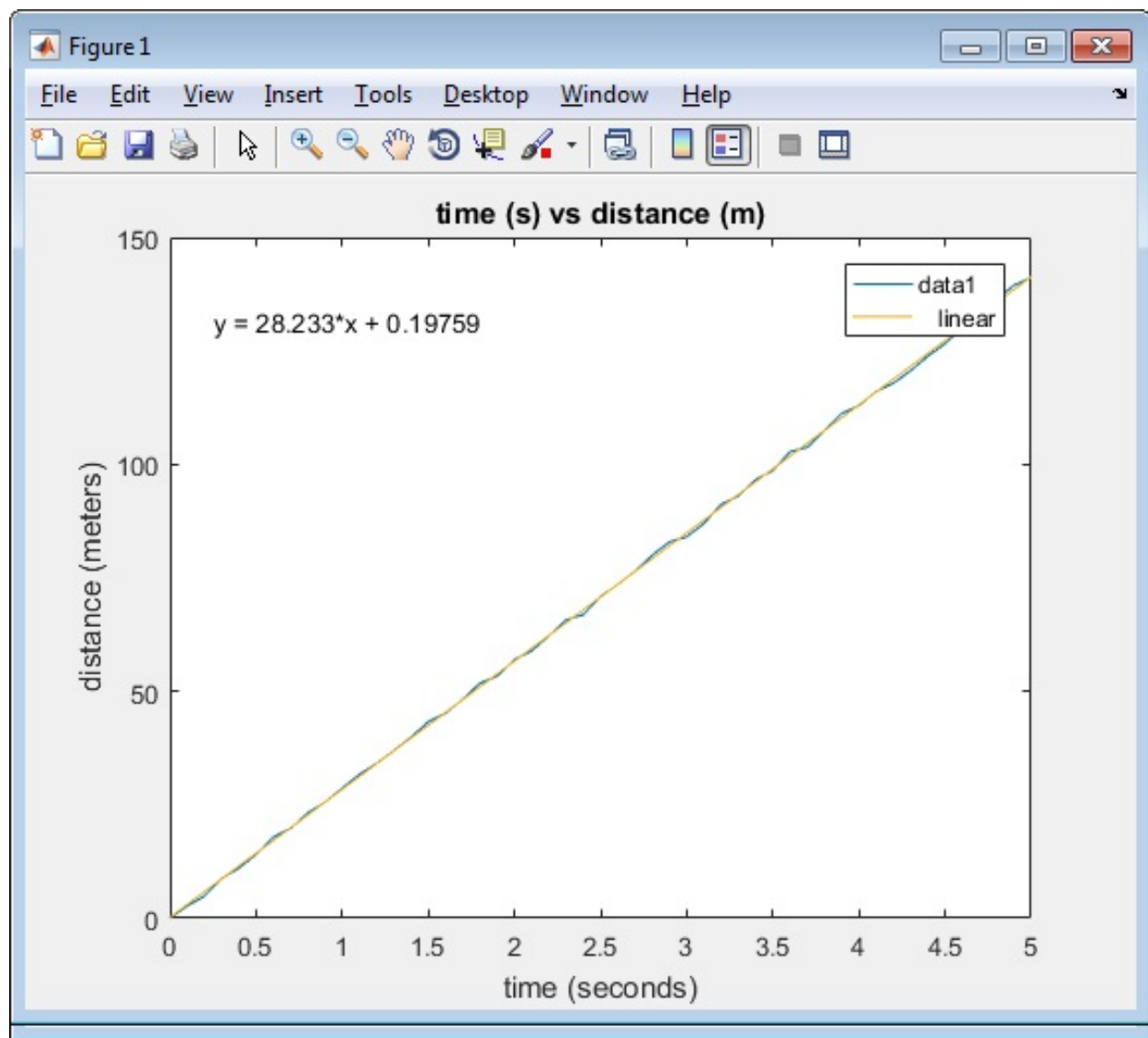


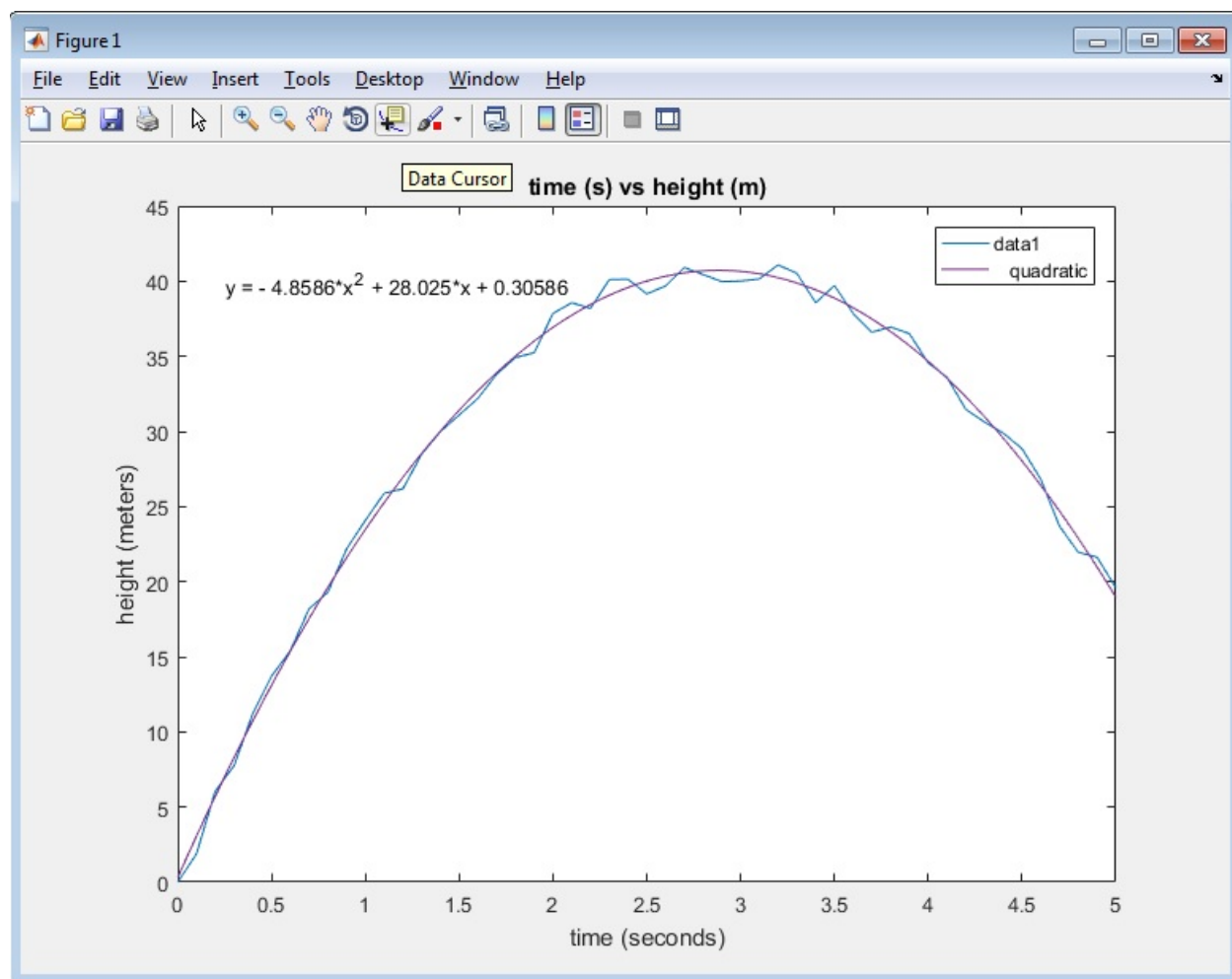
### Problem 7



Problem 9a

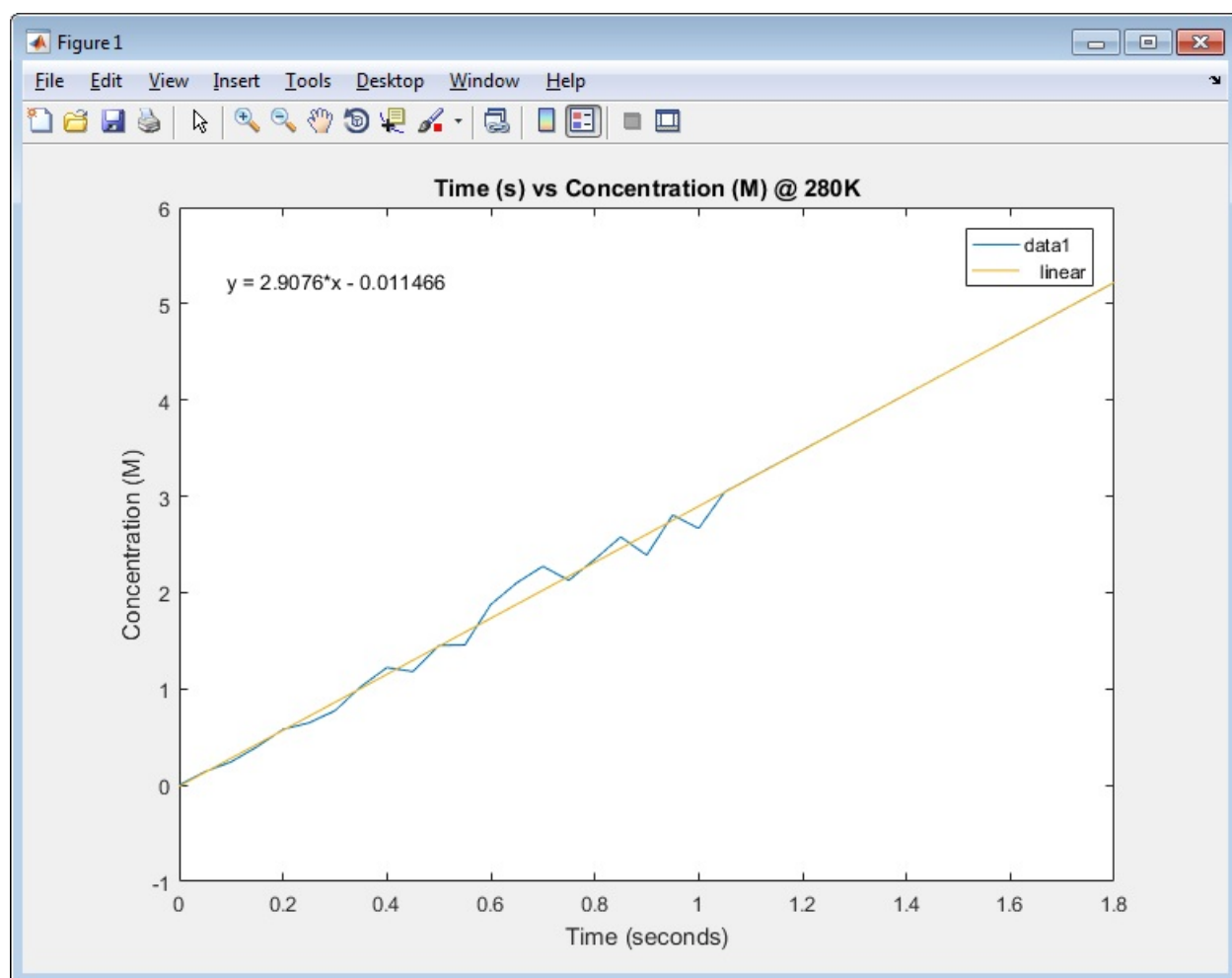


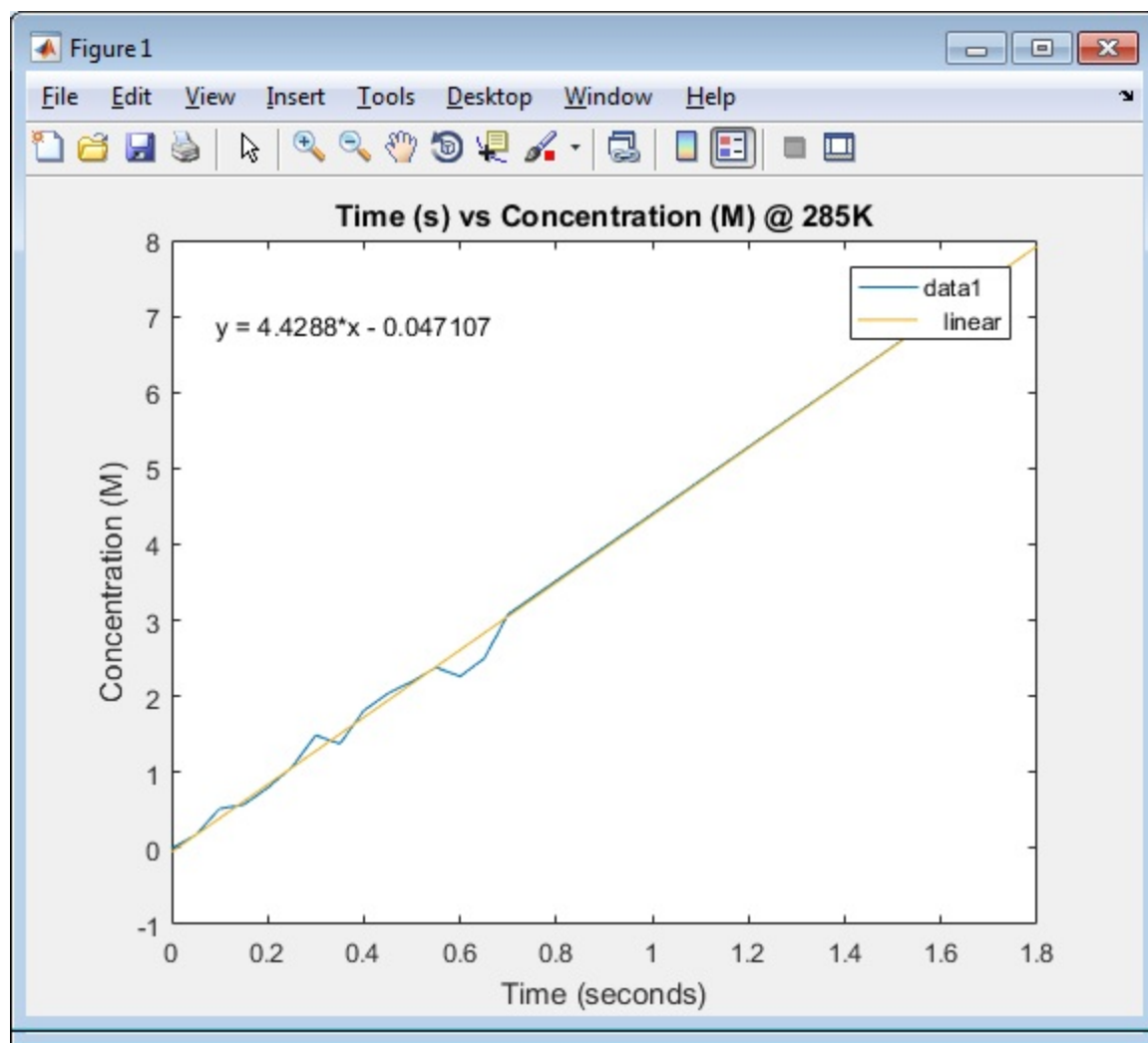
### Problem 9b

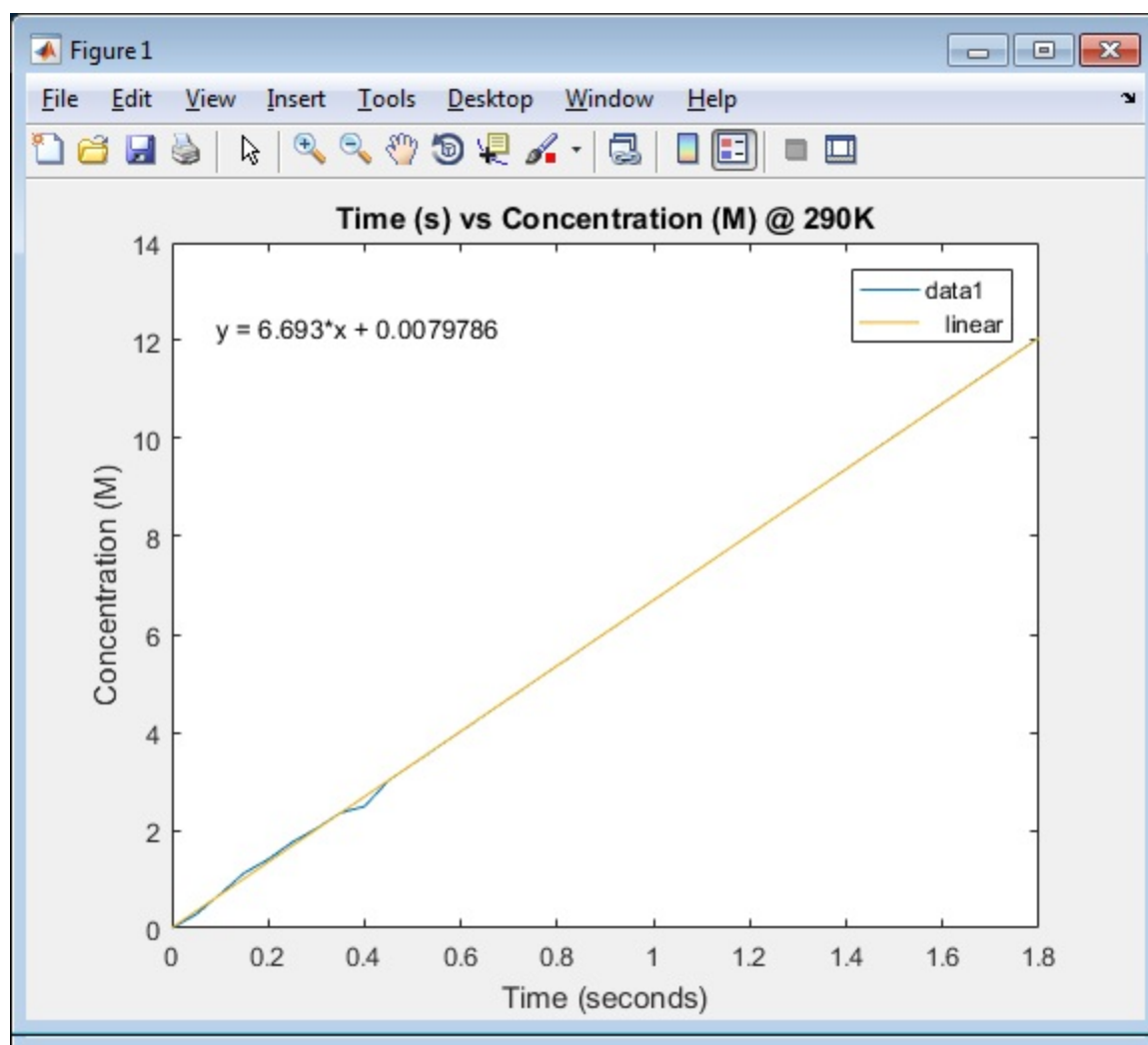


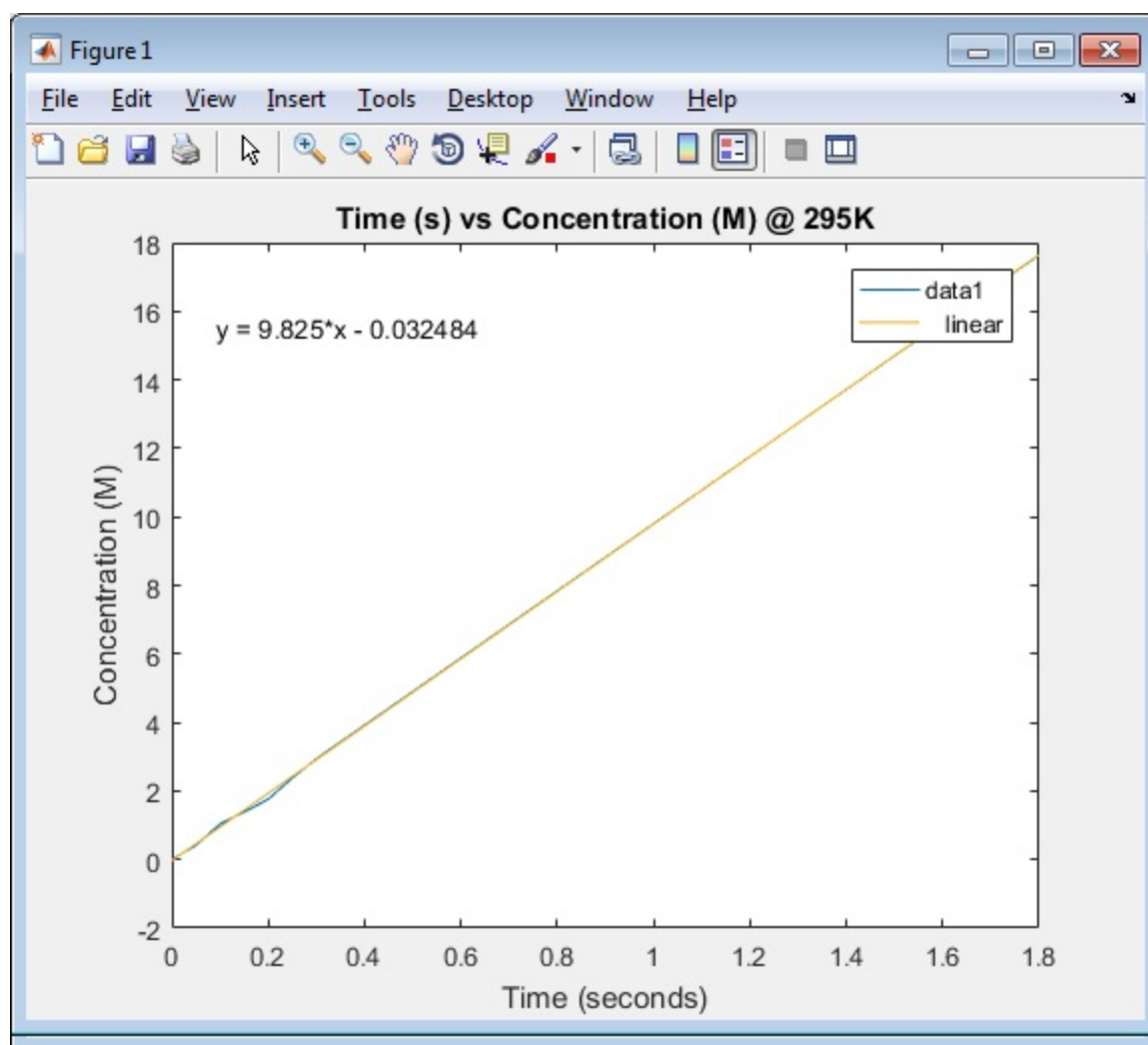
### Problem 10

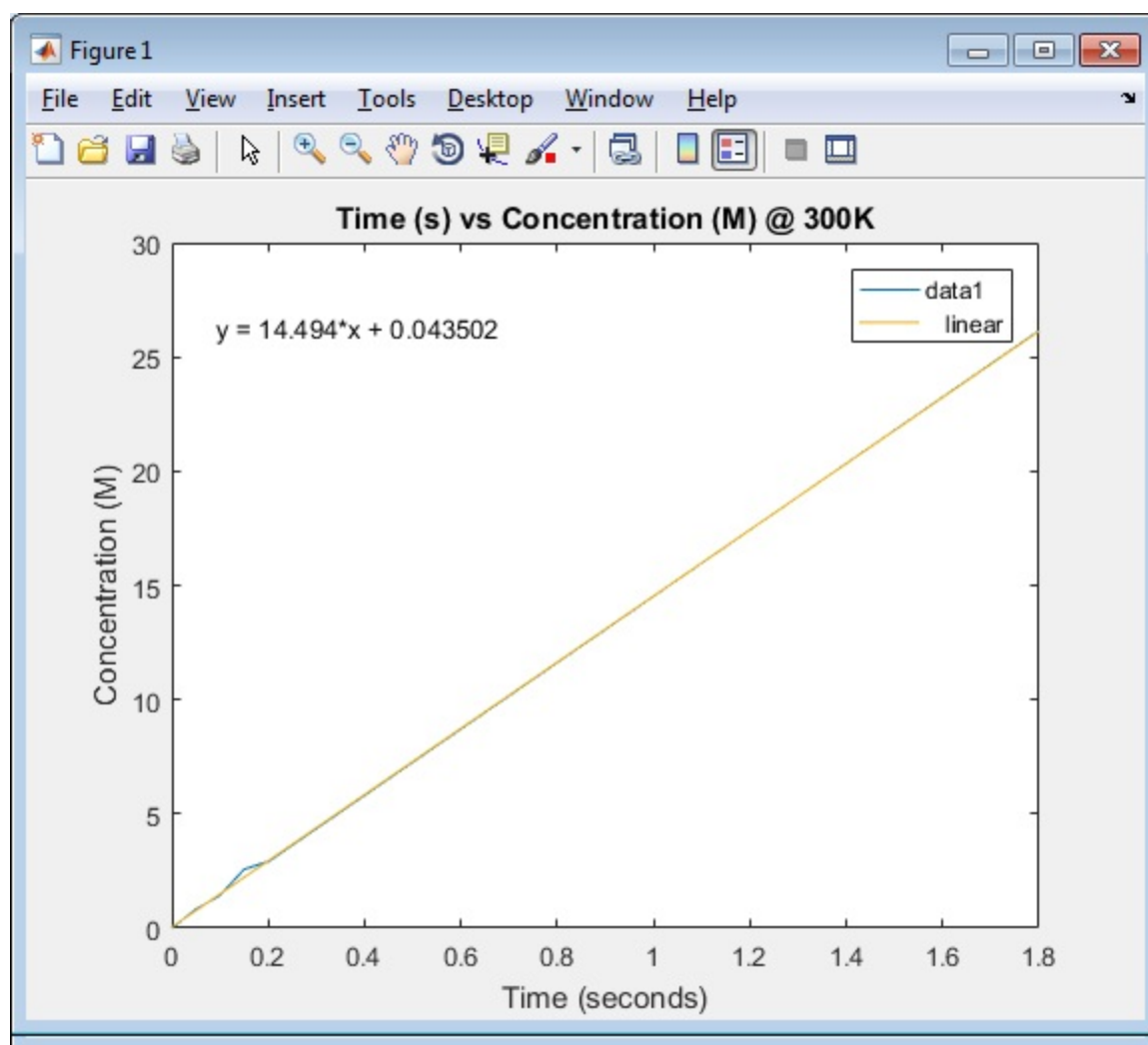
Absolute Temperature (K)	Estimated Reaction Rate, $k(s^{-1})$
280	2.9076
285	4.4288
290	6.693
295	9.825
300	14.494





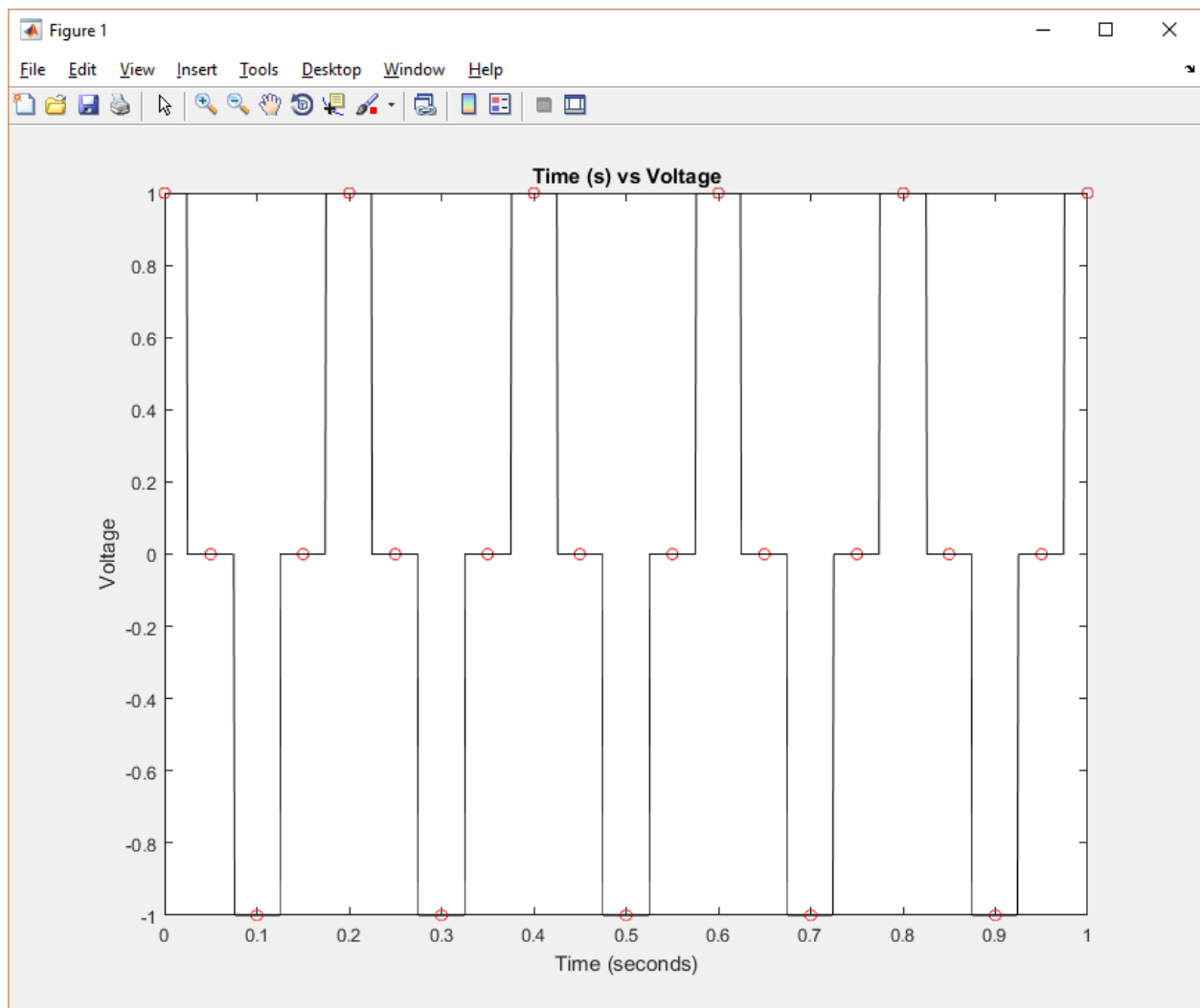




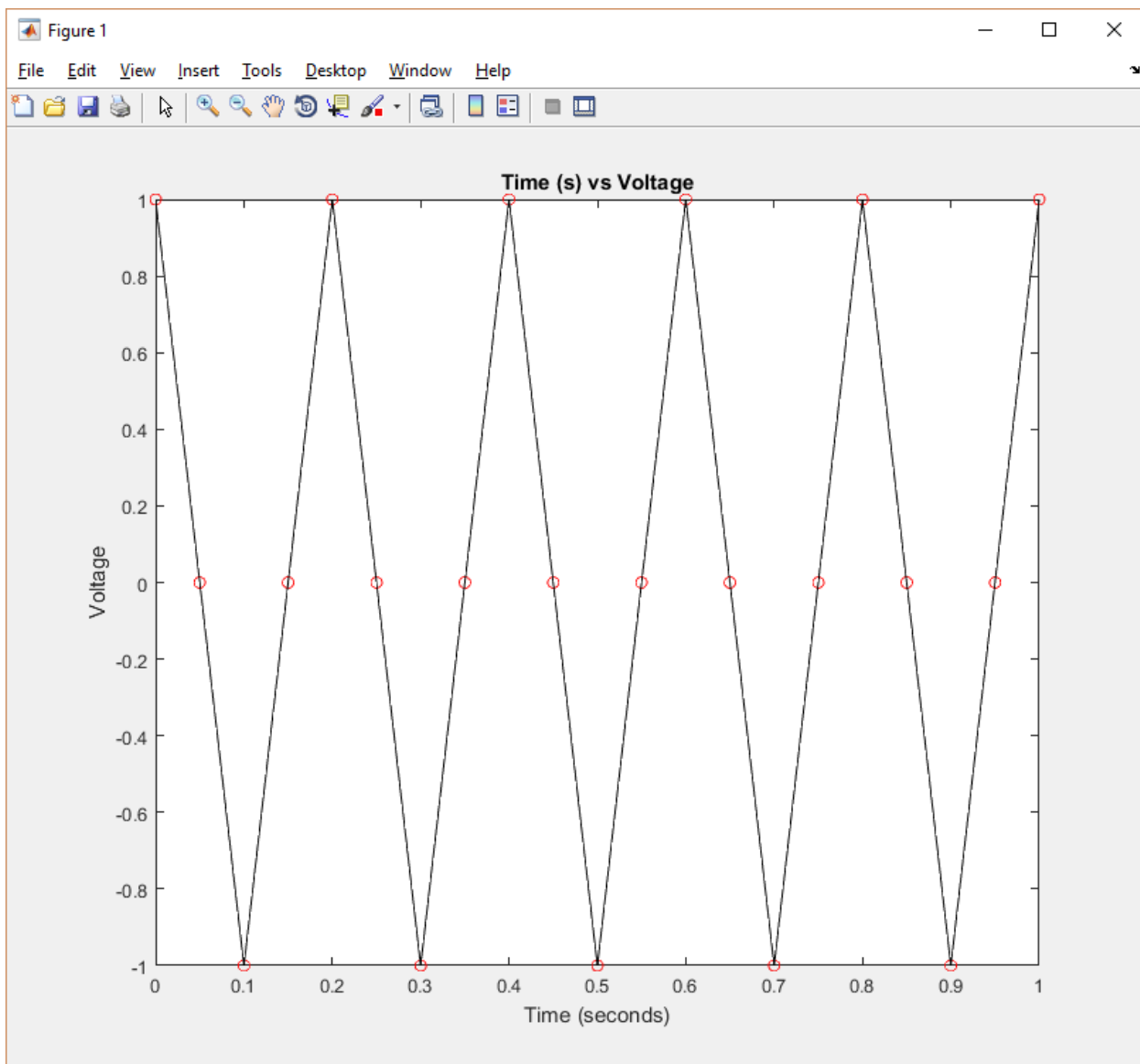




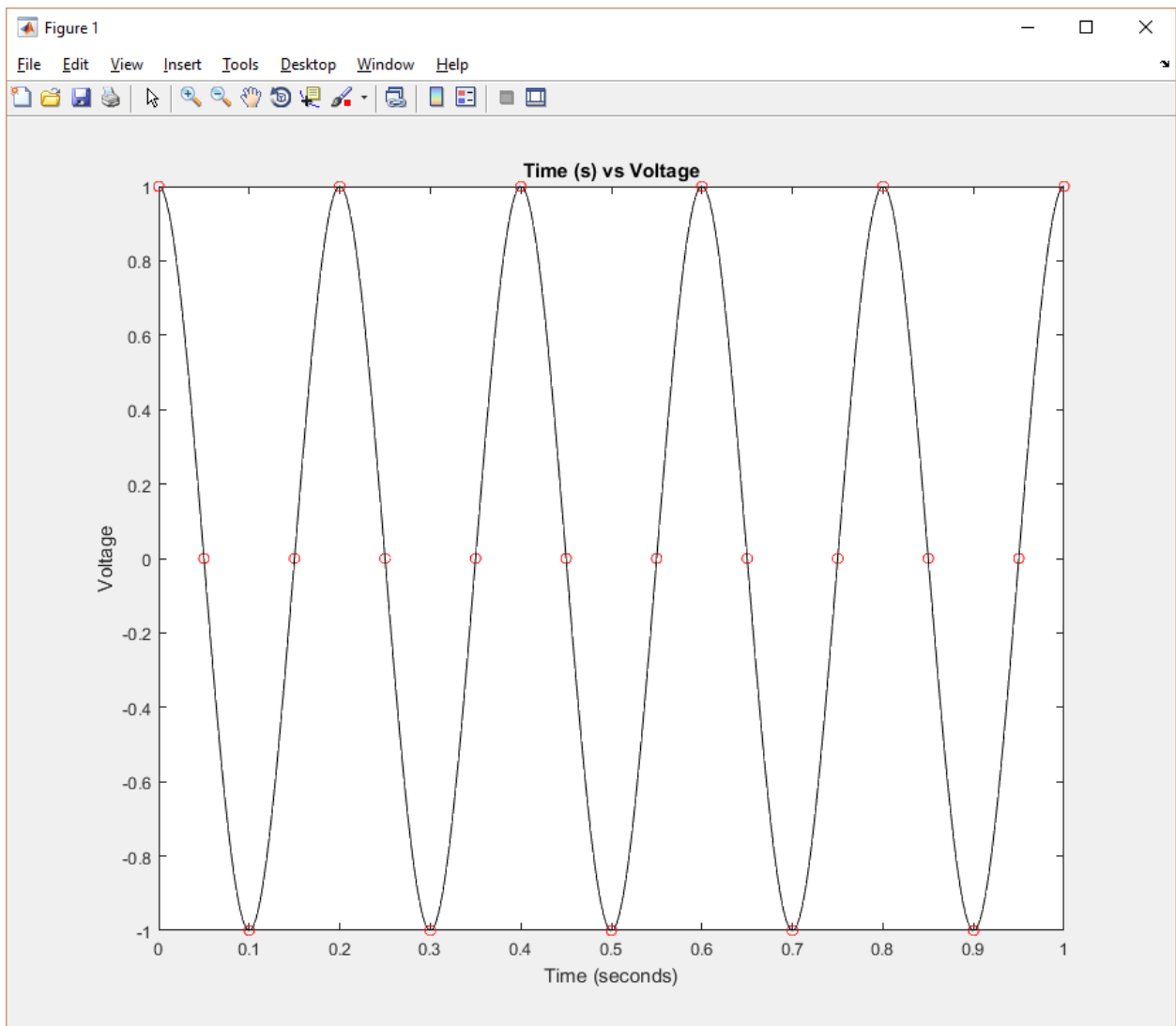
### Problem 14a



### Problem 14b



### Problem 14c



Problem 14d: What kind of waveform does your plot in part (c) look like? Could you possibly have picked this up from looking at the original data points?

Plot looks like a Sin waveform. This isn't surprising because at repeating intervals of 0.1(s) the voltage is at it's maximum but it's sign is reversed.