

All answers need to be written in a clear, succinct manner. Write a brief paragraph summarizing the answers to the problems with each answer clearly stated in a sentence. Supporting graphs should be provided when asked for, but you should not include printouts of spreadsheets. You can create an appendix to a problem, but that should only include significant material to back up your answers.

1. Work the diabetes problems in WeBWorK, including written work and graphs in your assignment.

[1] Ackerman, E., Rosevear, J. W., and McGuckin, W. F. (1964). A mathematical model of the glucose tolerance test, *Phys. Med. Biol.*, **9**, 202-213.

[2] Mahaffy, J. M. and Edelstein-Keshet, L., Modeling cyclic waves of circulating T cells in autoimmune diabetes, *SIAM J. Appl. Math.*, **67**, 915-937 (2007).