

General Chemistry II
Problem Set 9
Due Wednesday, April 26, 2006 (at 5 p.m.)

Total points for this assignment = 46

1. (5 points) Silberberg 16.6. Explain your answer in detail. There are two factors to discuss.
2. (10 points) Silberberg 16.13. You must turn in a printout of a plot of $[AX_2]$ vs. time. I suggest adding a large number of gridlines to your plot to facilitate determining the slope of the tangent line. Report the rate at 5.0 s to two significant figures. (A wide range of answers will count for full credit.)
3. (4 points) Silberberg 16.17
4. (2 points) Silberberg 16.19
5. (6 points) Silberberg 16.27 and 16.29
6. (9 points) Silberberg 16.35
7. (6 points) Silberberg 16.44. Report your answers in years.
8. (4 points) Silberberg 16.91. Report your answer in minutes.