## Applied Finite Mathematics 3<sup>rd</sup> edition 2016 Sekhon & Bloom Answers to Odd Numbered Homework Problems Section 5.2

**5.2#1:**  $y=ab^{t}=350000(1.02)^{t}$  where t is number of years since 2010

y intercept is the point (0, 350000)

Note that the growth rate is very small, only 2%, so the curve is not strongly curved. If you examine the curve carefully, you see that it does curve upward, increasing more quickly as x gets larger, even though it is not as pronounced as we have seen in other graphs with larger growth rates.



