Assignment 08

MA240 College Algebra

**Directions: Be sure to save an electronic copy of your answer before submitting it to Ashworth College for grading. Unless otherwise stated, answer in complete sentences, and be sure to use correct English, spelling and grammar. Sources must be cited in APA format. Your response should be four (4) double-spaced pages; refer to the "Assignment Format" page located on the Course Home page for specific format requirements.**

1. Use the numbers shown in the bar graph below to find the total cost of tuition and fees at public colleges for a four year period from the school year ending in 2007 through the school year ending in 2010.
2. The model *an* = 395*n* + 5419 describes the cost of tuition and fees at public colleges in academic year *n*, where *n* = 1 corresponds to the school year ending in 2007, *n* = 2 to the school year ending in 2008, and so on.
   1. Use this model and the formula for *Sn* to find the total cost of tuition and fees at public colleges for a four-year period from the school year ending in 2007 through the school year ending in 2010.
   2. How does this compare with the actual sum you obtained in part (a)?

This is the end of Assignment 8.