Math 105-20 Summer Term II	
Quiz 4: 6/15	Name:

This project is worth 75 points. You should clearly show all of your work and justify your answers where appropriate. It must be submitted no later than the beginning of class on June 23rd. No late projects will be accepted, nor will any e-mail submissions be accepted. You may use scrap paper as needed, but please turn in your final project, with complete steps for all of your calculations, on the worksheets that have been provided and make sure that your work is neatly organized and that your final answers are written in complete sentences for all parts (except for #6, where you only need to provide your amortization schedule). Neatness of your presentation and complete sentences do count!

My annual income is _______. My down payment is an investment portfolio in which I invested ______ at the end of every quarter for ______ years at an interest rate of ______ compounded quarterly. I need a home with ______ bedrooms.

1. (5 points) In your own words, describe the difference between the FA formula and the PV formula. Be sure to explicitly describe when you use each.

2. (5 points) For the past ten years your uncle has been depositing \$1,000 at the end of each year in the savings account that pays 6.5% compounded annually. What was the value of the account just after the tenth deposit? How much interest had been earned?

