Math 112 - Quiz 9

Name _____

April 11, 2019   Score _____

Show all work to receive full credit. Supply explanations when necessary.

1. (2 points) We deposit regular semiannual payments into an account earning 7.75% compounded semiannually. What must our regular payments be if we would like to have $50,000 in 15 years?

2. (4 points) For 20 years, $300 per month is deposited into a regular annuity earning 4.5% compounded monthly.

   (a) What is the future value of the account?

   (b) How much of the future value is from interest?

3. (4 points) Jon borrowed $1699 for 3 years at 7.5% compounded monthly. How much are his monthly payments? At the end of the 3 years, how much interest will he have paid?