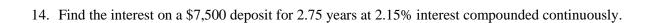
Answer each of the following questions showing your work in the space provided.

11. Mary opened a checking account on November 6 with a \$2,700 deposit. The account pays 3.75% interest compounded daily. On November 7, she deposited \$300 and withdrew \$200 on the 8<sup>th</sup>. Fill in the information on the ledger below.

Date	Nov. 6	Nov. 7	Nov. 8
Opening balance			
Deposit			
Withdrawal			
Principle for interest			
Interest			
Ending balance			

12. Emily put \$5,300 in an account that pays 3.0% interest compounded monthly in an account for 5 years. Find her interest.

13. This year, Matt deposited \$1,575 into a one-year CD that pays an interest rate of 2.15% compounded daily. What is his annual percent yield rounded to the nearest hundredth of a percent?



15. Find the limit of a function of x, 
$$f(x) = \frac{15x-20}{3x+15}$$
, as x approaches infinity.

16. John wants to have \$100,000 in an account at some time in the future. He can deposit \$150 per month into an account that pays 3.75% and is compounded monthly. How long, in years to the nearest 10<sup>th</sup>, must he make deposits?

17.	Hailey went on a trip to Disney World and lost her credit card. Someone found the card and charged \$125 on it that same day. Hailey didn't notice the loss until three days later when she called her credit company and reported the card lost.
	How much of the \$125 will she have to pay?
	How much would she pay if \$250 had been charged?
	How much of \$125 would she pay the card wasn't lost but the number was stolen?
18.	John can afford \$500 a month and wants to borrow \$25,000 at an APR of 7.25%. To the nearest tenth of a year, how long will it take to pay back the loan?
19.	Jake had the following daily balances on his credit card for a recent billing period. He did not pay the card in full the previous month, so he will have to pay a finance charge.  three days at \$454.75 twelve days at \$907.55 eight days at \$657.55 seven days at \$1,149.34
	What was Jake's average daily balance?
20.	Emma takes out a \$26,900 five-year new car loan with an APR of 6.95%. What is her finance charge for this loan rounded to the nearest hundred dollars?