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Course: MAT1301-14A-1A16-S2
[redacted] **Assignment:** Unit II Homework

39. Use the average daily balance method to compute the finance charge on the credit card account for the month of August (31 days). The starting balance from the previous month is $290. The transactions on the account for the month are given in the table to the right. Assume an annual interest rate of 23% on the account and that the billing date is August 1st.

Date	Transaction
August 5	Made payment of $77
August 7	Charged $130 for hiking boots
August 21	Charged $27 for gasoline
August 31	Charged $33 for restaurant meal

The finance charge for the month of August is $$\square$.
(Round to the nearest cent as needed.)

40. Using the average daily balance method and the information given, find the credit card finance charge for the month of August (31 days). The annual interest rate is 18%.

July 31	Balance	$350
August 2	Charge	$91
August 12	Payment	$170
August 14	Charge	$177
August 23	Charge	$48

The finance charge is $$\square$.
(Round to the nearest cent.)

41. A student graduates from college with $40,000 in student loans with a 7.1% annual simple interest rate. In order to reduce his debt as quickly as possible, beginning next month he is going to pay $900 per month towards the loan. After his first payment, how much will he owe on the loan?

After his first payment, he will still owe $$\square$ on his loan.
(Round to the nearest cent as needed.)

42. Find the APR of the loan given the amount of the loan, the number and type of payments, and the add-on interest rate.

Loan amount, $15,000; three yearly payments; rate = 10%

The annual percentage rate is $\square$%.
(Type an integer or a decimal.)

43. Find the finance charge per $100 for the loan described below.

Loan, $3,200; finance charge, $256

The finance charge is $$\square$ per $100.