Find the following:

1. The cost of a new car is $24,000. You can pay $3,000 down and finance the rest for $350 per month for 72 months. Find the amount financed, total installment price and finance charge.

   \[
   \text{Amount Financed} = \text{Cash Price} - \text{Down Payment} = \text{Monthly payment} \times (\text{Number of payments}) + \text{Down payment} =
   \]

   \[
   \text{Finance Charge} = \text{Total Installment Price} - \text{Cash Price} =
   \]

2. The cost of a new television is $3,200. You can pay $700 down and finance the rest for $150 per month for 18 months. Find the amount financed, total installment price and finance charge.

   \[
   \text{Amount Financed} = \text{Cash Price} - \text{Down Payment} = \text{Monthly payment} \times (\text{Number of payments}) + \text{Down payment} =
   \]

   \[
   \text{Finance Charge} = \text{Total Installment Price} - \text{Cash Price} =
   \]

Find the following:

1. \( A = (1 - 1 \div (1 + 0.02)^{24}) \times 200 \div 0.02 \)

2. \( A = (1 - 1 \div (1 + 0.005)^{72}) \times 350 \div 0.005 \)

3. \( R = 2,400 \times 0.0075 \div \left( 1 - 1 \div (1 + 0.0075)^{18} \right) \)

4. \( R = 25,000 \times 0.01 \div \left( 1 - 1 \div (1 + 0.01)^{72} \right) \)
Find the following:

1. If you purchase tile for your home for $8,200 with no money down at 1.3% per month for 18 months what is your monthly payment?
   \[ A = \]
   \[ i = \]
   \[ n = \]
   \[ R = A \times i \times (1 - 1 \div (1 + i)^n) = \]
   
   How much have you spent total? _______________________________
   How much have you spent in interest alone? _______________________________

2. If you purchase a TV for $2,400 with $500 down at 18% APR for 2 years what is your monthly payment?
   \[ A = \]
   \[ i = \]
   \[ n = \]
   \[ R = A \times i \times (1 - 1 \div (1 + i)^n) = \]
   
   How much have you spent total? _______________________________
   How much have you spent in interest alone? _______________________________

3. If you purchase a truck with $2,000 down at 0.9% per month for 72 months, and your monthly payment is $299, what is the amount borrowed?
   \[ R = \]
   \[ i = \]
   \[ n = \]
   \[ A = (1 - 1 \div (1 + i)^n) \times R \div i = \]
   
   How much have you spent total? _______________________________
   How much have you spent in interest alone? _______________________________