AP Computer Science
Chapter 2 Program Exercise

Name:					
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Programming Exercise

Data Types, Casting, and the Math Class

Create a program that computes loan payments. The loan can be a car loan, a student loan, or a home mortgage.

The program must satisfy the following requirements:

- It must let the user enter the interest rate, the loan amount, and the number of years for which payments will be made.
- It must compute and display the monthly payment and total payment amount.

Use the formulas below:

$$monthlyPayment = \frac{loanAmount \times monthlyInterestRate}{1 - \frac{1}{(1 + monthlyInterestRate)^{numberOfYears \times 12}}}$$

 $totalPayment = monthlyPayment \times numberOfYears \times 12$