Name	Group
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Financial Math Final Assignment

This project is to completed on your own. You may ask for help from your peers, but the work must be your own.

Part A

Provide a complete annotated solution for each question in Part A. You should write each step clearly (as if you were going to show this to a student in Grade 7) and explain what you are doing (in words). You must use at least 5 steps for each question. If you need more, please add a separate sheet of paper, organized the same way.

Part B

In Part B you will be given a simple or compound interest equation. Your job is to write a scenario (investing money, population increase or decrease, depreciation of a purchased item, etc.) that fits with equation given.

Part C

In Part C, you will write and solve your own question. 1 question must involve simple interest, where the unknown variable is n. 1 question must involve compound interest, where the unknown variable is r.

Part A

1) You put \$450 in a savings account that gives a monthly simple interest rate of 0.8%. How much money will be in your account after 5 years?

Step 1		
Calculations	Explanation	
Step 2		
Calculations	Explanation	
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Step 3 Calculations	Fundametica	
Calculations	Explanation	
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Step 4 Calculations	Explanation	
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Calculations	Explanation	

Step 1		
Calculations	Explanation	
Step 2 Calculations	Explanation	
Step 3		
Calculations	Explanation	
Step 4 Calculations	Explanation	
Calculations	Explanation	
Step 5	_	
Calculations	Explanation	

3) You invested \$1150 in an account giving an annual compound interest rate of 3.5%. Your investment is currently worth \$1642. How long ago did you make your investment?

Step 1	
Calculations	Explanation
Step 2	
Calculations	Explanation
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Calculations	Explanation
Step 4	
Calculations	Explanation
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Step 5	
Calculations	Explanation

Part B

Write a scenario to go with each equation. You do not need to solve these questions.

Example

Equation	Scenario
$C = 800(1 + 0.007)^{13}$	You invested \$800 at a monthly compound interest rate of 0.7%. What is the value of this investment after 13 years?

4)

Equation	Scenario
$17850 = a(1 - 0.09)^5$	

5)

Equation	Scenario
17.050 (1 0.00)5	
$17850 = a(1 - 0.09)^5$	

Part C 6) Write a question and provide a complete solution where you must use simple interest and the unknown variable is n 7) Write a question and provide a complete solution where you must use compound interest and the unknown variable is r.