

**BONUS PROJECT:**

**Compound Interest Project**

9 j) What pattern do you see in the cell function value as you move down column B? \_\_\_\_\_/ 2

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9 k) What pattern do you see in the cell function value as you move across row 8? \_\_\_\_\_/ 2

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11) What is your final balance in Bank C after 4 years (48 months)? \_\_\_\_\_ / 1

12) Which bank will maximize the return on your investment? \_\_\_\_\_ / 1

13) How does the frequency of compounding affect the growth of an investment? \_\_\_\_\_/ 2

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14) Which has a greater impact on the rate of growth of your investment, the change from annual to quarterly compounding, or the change from quarterly to monthly compounding? \_\_\_\_\_/ 1

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15) To appreciate the power of your spreadsheet, try changing the annual interest rates (APR) for banks A and B so that all three banks produce the same final balance.

16) Then change the APRs back to 4.0% and try extending the spreadsheet to find the balances for all three banks after 6 years. \_\_\_\_\_/ 6

**Bank A:** \_\_\_\_\_      **Bank B:** \_\_\_\_\_      **Bank C:** \_\_\_\_\_

Total for Sheet: \_\_\_\_\_/ 15