# Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period \_\_\_\_\_\_\_\_\_

## **Unit 16 Review**

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| **Evaluate the following.** | |
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| **Simplify the following. Your answer should contain only positive exponents.** | |
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| **Use the laws of exponents to solve the following equations.** | |
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| **Solve the following compound interest problems using the formula .** | |
| 1. If a person deposits into an account that pays interest compounded semiannually, how much will they have after years? | |
| 1. If a person wants to have after years, how much would they have to deposit into an account that pays interest compounded monthly? | |
| 1. If a person deposits into an account that pays compounded quarterly, how much will they have after years? | |
| 1. If a person wants to have after years, how much would they have to deposit into an account that pays interest compounded monthly? | |

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| **Review** |
| 1. Graph the equation. Then, use the graph to find the following.   Vertex:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Axis of Symmetry:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Max or Min: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Domain:\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Range:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  x-intercepts:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

**Answers**