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

## **Unit 15 Review**

1. Simplify the following radical expressions using the root chart for help.

|  |  |
| --- | --- |
| 1. \_\_\_\_\_\_\_\_\_\_\_ | 1. \_\_\_\_\_\_\_\_\_\_\_ |
| 1. \_\_\_\_\_\_\_\_\_\_\_ | 1. \_\_\_\_\_\_\_\_\_\_\_ |
| 1. \_\_\_\_\_\_\_\_\_\_\_ | 1. \_\_\_\_\_\_\_\_\_\_\_ |
| 1. \_\_\_\_\_\_\_\_\_\_\_ | 1. \_\_\_\_\_\_\_\_\_\_ |
| 1. \_\_\_\_\_\_\_\_\_\_ | 1. \_\_\_\_\_\_\_\_\_\_ |

1. Rewrite each expression using rational (fractional) exponents.

|  |  |
| --- | --- |
| 1. \_\_\_\_\_\_\_\_\_\_\_\_ | 1. \_\_\_\_\_\_\_\_\_\_\_ |
| 1. \_\_\_\_\_\_\_\_\_\_\_ | 1. \_\_\_\_\_\_\_\_\_\_\_ |

1. Rewrite each expression using radical notation.

|  |  |
| --- | --- |
| 1. \_\_\_\_\_\_\_\_\_\_\_ | 1. \_\_\_\_\_\_\_\_\_\_\_ |
| 1. \_\_\_\_\_\_\_\_\_\_\_ | 1. \_\_\_\_\_\_\_\_\_\_\_ |

1. Evaluate each expression by rewriting in radical notation.

|  |  |
| --- | --- |
| 1. \_\_\_\_\_\_\_\_\_\_\_ | 1. \_\_\_\_\_\_\_\_\_\_\_ |
| 1. \_\_\_\_\_\_\_\_\_\_\_ | 1. \_\_\_\_\_\_\_\_\_\_\_ |

1. Solve the following equations.

|  |  |
| --- | --- |
|  |  |
|  |  |
|  |  |
|  |  |

# Review

Find the following for .

|  |  |
| --- | --- |
| 1. Vertex: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |
| 1. Axis of Symmetry: \_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 1. X-Intercepts: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

**ANSWERS**