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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Power of a Power Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

|  |  |  |  |
| --- | --- | --- | --- |
| **Power of a power** | **Expanded power** | **Power as a single power** | **Explanation** |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

Simplify.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 1. |  | 2. |  | 3. |  |
| 4. |  | 5. |  | 6. |  |
| 7. |  | 8. |  | 9. |  |
|   |
| 10. |  | 11. |  | 12. |  |

[**http://www.ixl.com/math/algebra-1/power-rule**](http://www.ixl.com/math/algebra-1/power-rule) |

**Power of a Fractional Power**

|  |  |  |  |
| --- | --- | --- | --- |
| **Power of a fractional power** | **Expanded power** | **Power as a single power** | **Explanation** |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

Simplify.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 1. |  | 2. |  | 3. |  |
| 4. |  | 5. |  | 6. |  |
| 7. |  | 8. |  | 9. |  |
|   |
| 10. |  | 11. |  | 12. |  |

Simplify the expressions.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 1. |  | 2. |  | 3. |  |
| 4. |  | 5. |  | 6. |  |
| 7. |  | 8. |  | 9. |  |
|   |