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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**

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| --- | --- | --- | --- | --- | --- |
| **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. |  | |
|  | | | | | |