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| **Topic**: **Simplify Rational Exponents** |  |  | | | |
| **Course**: Algebra II |  |  | | | |
| **Score 4.0** | | | **In addition to score 3.0 performance, the student demonstrates in-depth inferences and applications that go beyond what was taught.** |  | |
|  | | | *Score 3.5* | | *In addition to score 3.0 performance, partial success at score 4.0 content* |
| **Score 3.0** | | | **The student will:**  **HSN-RN.A.1** - [*Standard*] - Explain how the definition of the meaning of rational exponents follows from extending the properties of integer exponents to those values, allowing for a notation for radicals in terms of rational exponents.  **The student exhibits no major errors or omissions.** |  | |
|  | | | *Score 2.5* | | *No major errors or omissions regarding score 2.0 content, and partial success at score 3.0 content* |
| **Score 2.0** | | | **There are no major errors or omissions regarding the simpler details and processes as the student:**  • recognizes or recalls specific terminology such as:        - rational, radical form, exponential form, index    • performs basic processes, such as:        - relates expressions containing rational exponents to the corresponding radical expressions  **However, the student exhibits major errors or omissions regarding the more complex ideas and processes.** |  | |
|  | | | *Score 1.5* | | *Partial success at score 2.0 content, and major errors or omissions regarding score 3.0 content* |
| **Score 1.0** | | | **With help, a partial understanding of some of the simpler details and processes and some of the more complex ideas and processes.** |  | |
|  | | | *Score 0.5* | | *With help, partial success at score 2.0 content but not at score 3.0 content* |
| **Score 0.0** | | | **Even with help, no success** |  | |

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| **Topic**: **Solve Radical Equations** |  |  | | | |
| **Course**: Algebra II |  |  | | | |
| **Score 4.0** | | | **In addition to score 3.0 performance, the student demonstrates in-depth inferences and applications that go beyond what was taught.** |  | |
|  | | | *Score 3.5* | | *In addition to score 3.0 performance, partial success at score 4.0 content* |
| **Score 3.0** | | | **The student will:**  **HSA-REI.A.2** - [*Standard*] - Solve simple rational and radical equations in one variable, and give examples showing how extraneous solutions may arise.  **The student exhibits no major errors or omissions.** |  | |
|  | | | *Score 2.5* | | *No major errors or omissions regarding score 2.0 content, and partial success at score 3.0 content* |
| **Score 2.0** | | | **There are no major errors or omissions regarding the simpler details and processes as the student:**  • recognizes or recalls specific terminology such as:        - extraneous solution    • performs basic processes, such as:        - solves problems involving radical functions  **However, the student exhibits major errors or omissions regarding the more complex ideas and processes.** |  | |
|  | | | *Score 1.5* | | *Partial success at score 2.0 content, and major errors or omissions regarding score 3.0 content* |
| **Score 1.0** | | | **With help, a partial understanding of some of the simpler details and processes and some of the more complex ideas and processes.** |  | |
|  | | | *Score 0.5* | | *With help, partial success at score 2.0 content but not at score 3.0 content* |
| **Score 0.0** | | | **Even with help, no success** |  | |