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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** |  |