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| **Essential Learning Target:****Laws of Exponents:** I can apply the rules of exponents. |
| Common Core Standard:[CCSS.MATH.CONTENT.HSA.SSE.B.3.C](http://www.corestandards.org/Math/Content/HSA/SSE/B/3/c/)Use the properties of exponents to transform expressions for exponential functions. *For example the expression 1.15t can be rewritten as (1.151/12)12t ≈ 1.01212t to reveal the approximate equivalent monthly interest rate if the annual rate is 15%*. |
| **Level:** Algebra 1 |
| **Score 4.0** | **In addition to Score 3.0, in-depth inferences and applications that go beyond what was taught.**The student can rewrite a given expression in 3-4 equivalent forms and explain their reasoning. The student can simplify a complex polynomial expression using combining like terms and properties of exponents. | **Sample Tasks** |
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|  | **3.5** | In addition to score 3.0 performance, in-depth inferences and applications with partial success. |  |
| **Score 3.0** | **The student:*** can apply the rules of exponents, accurately calculating the value of exponential expressions
* I can simplify an exponential expression using multiple properties

**The student exhibits no major errors or omissions.** |  |
|  | **2.5** | No major errors or omissions regarding 2.0 content and partial knowledge of the 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:
	+ Power, Exponent, Base
	+ Factors
	+ Fraction, Quotient
	+ Identity Property of 1, Properties
* performs basic processes, such as:
	+ I can use the product property, power property, quotient property, power of 0 property, power of 1 property, negative power property, and fractional power property.
	+ I understand the difference between adding/subtracting terms and multiplying/dividing a term/monomial.

**However, the student exhibits major errors or omissions regarding the more complex ideas and processes.** |  |
|   | **1.5** | Partial knowledge of the 2.0 content but major errors or omissions regarding the 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.** |
|  | **0.5** | With help, a partial understanding of the 2.0 content but not the 3.0 content |
| **Score 0.0** | **Even with help, no understanding or skill demonstrated.** |