|  |  |  |  |
| --- | --- | --- | --- |
| **LG #** | **P02** | **Standards: A-APR.4.6, A-APR.4.7** |  |
| **4.0** | **In addition to Score 3.0, in-depth inferences and applications that go beyond instruction to the standard.****The student will be able to:*** Prove the remainder theorem.

**No major errors or omissions regarding the score 4.0 content.** |
| **3.5** | In addition to 3.0, in-depth inferences and applications with partial success. |
| **3.0** | **Students will be able to rewrite rational expressions.****The student will be able to:*** Rewrite simple rational expressions in different forms (A-APR.4.6)
* Understand that rational expressions form a system analogous to the rational numbers(A-APR.4.7)

**No major errors or omissions regarding the score 3.0 content (simple or complex).** |
| **2.5** | No major errors or omissions regarding 2.0 content and partial knowledge of 3.0 content. |
| **2.0** | **The student recognizes and describes specific terminology such as:**

|  |  |  |
| --- | --- | --- |
| * Rational expressions
 | * Analogous system
 | * Close system
 |
| * Synthetic division
 | * Long division
 | * Closure property
 |
| * Inspection
 |  |  |

**The student will be able to:*** Write a(x)/b(x) in the form q(x) + r(x)/b(x), where a(x), b(x), q(x), and r(x) are polynomials with the degree of r(x) less than the degree of b(x), using inspection, long division, or, for the more complicated examples, a computer algebra system (A-APR.4.6)
* Add, subtract, multiply, and divide rational expressions (A-APR.4.7)
 |
| **1.5** | Partial knowledge of the score 2.0 content, but major errors or omissions regarding score 3.0 content. |
| **1.0** | With 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 some of the simpler details and processes and some of the more complex ideas and processes. |
| **0.0** | Even with help, no understanding or skill is demonstrated |