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| **LG #** | **AF04** | **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 | | |