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| **LG #** | **MCR09** | **Standards:** | **A-APR.1.1, A-APR.2.3, A-APR.3.4** |
| **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:*** Compare and contrast how integers and polynomials are closed under the operations of addition, subtraction, and multiplication.
* 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 understand the relationship between zeros and factors of polynomials. They will prove and use polynomial identities to rewrite expressions.****The student will be able to:*** Explain why polynomials are closed under the operations of addition, subtraction, and multiplication. (A-APR.1.1)
* Use the zeros of a polynomial to construct a sketch of the function defined by the polynomial. (A-APR.2.3)
* Prove polynomial identities. (A-APR.3.4)
* Use polynomial identities to describe numerical relationships. (A-APR.3.4)

**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:**

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| * Factoring
 | * Zeros
 | * Multiplicity
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| * End Behavior
 | * x-intercepts
 | * Synthetic Division
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| * Polynomial
 | * Identities
 | * Remainder
 |
| * Remainder Theorem
* Roots
 | * Greatest Common Factor
 | * Standard form of a polynomial
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**The student will be able to:*** Rewrite polynomials in equivalent factored forms. (A-APR.2.3)
* Add, subtract, and multiply polynomials. (A-APR.1.1)
* Identify end behavior of a graph. (A-APR.2.3)
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| **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 |