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Question 1

Standard: A-APR.A.1

Rigor: mild

Problem 1: Understand that polynomials form a system analogous to the integers, namely, they are closed under the operations of addition, subtraction, and multiplication; add, subtract, and multiply polynomials.

Mastery Level (check one):

☐

4 - Demonstrates Full Mastery

(Exceeds expectations, shows deep understanding)

☐

3 - Demonstrates Mastery with Unrelated Mistakes

(Meets expectations, minor errors don't affect understanding)

☐

2 - Does Not Demonstrate Mastery

(Approaching expectations, significant gaps in understanding)

☐

1 - No Attempt

(No evidence of understanding or no response provided)

Evidence/Notes:

Question 1

Standard: A-APR.A.1

Rigor: mild

Problem 1: Understand that polynomials form a system analogous to the integers, namely, they are closed under the operations of addition, subtraction, and multiplication; add, subtract, and multiply polynomials.

Mastery Level (check one):

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4 - Demonstrates Full Mastery

(Exceeds expectations, shows deep understanding)

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3 - Demonstrates Mastery with Unrelated Mistakes

Question 10

Standard: A-REI.B.4

Rigor: medium

Problem 10: Solve quadratic equations in one variable.

Mastery Level (check one):

☐

4 - Demonstrates Full Mastery

(Exceeds expectations, shows deep understanding)

☐

3 - Demonstrates Mastery with Unrelated Mistakes

(Meets expectations, minor errors don't affect understanding)

☐

2 - Does Not Demonstrate Mastery

(Approaching expectations, significant gaps in understanding)

☐

1 - No Attempt

(No evidence of understanding or no response provided)

Evidence/Notes:

Question 10

Standard: A-REI.B.4

Rigor: medium

Problem 10: Solve quadratic equations in one variable.

Mastery Level (check one):

☐

4 - Demonstrates Full Mastery

(Exceeds expectations, shows deep understanding)

☐

3 - Demonstrates Mastery with Unrelated Mistakes

(Meets expectations, minor errors don't affect understanding)

Question 10

Standard: A-REI.B.4

Rigor: medium

Problem 10: Solve quadratic equations in one variable.

Mastery Level (check one):

☐

4 - Demonstrates Full Mastery

(Exceeds expectations, shows deep understanding)

☐

3 - Demonstrates Mastery with Unrelated Mistakes

(Meets expectations, minor errors don't affect understanding)

☐

2 - Does Not Demonstrate Mastery

(Approaching expectations, significant gaps in understanding)

☐

1 - No Attempt

(No evidence of understanding or no response provided)

Evidence/Notes:

Question 11

Standard: A-SSE.A.2

Rigor: medium

Problem 11: Use the structure of an expression to identify ways to rewrite it. For example, see $x^4 - y^4$ as $(x^2)^2 - (y^2)^2$, thus recognizing it as a difference of squares that can be factored as $(x^2 - y^2)(x^2 + y^2)$.

Mastery Level (check one):

☐

4 - Demonstrates Full Mastery

(Exceeds expectations, shows deep understanding)

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3 - Demonstrates Mastery with Unrelated Mistakes

(Meets expectations, minor errors don't affect understanding)

Question 11

Standard: A-SSE.A.2

Rigor: medium

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Mastery Level (check one):

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(Approaching expectations, significant gaps in understanding)

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1 - No Attempt

(No evidence of understanding or no response provided)

Evidence/Notes:

Question 11

Standard: A-SSE.A.2

Rigor: medium

Problem 11: Use the structure of an expression to identify ways to rewrite it. For example, see $x^4 - y^4$ as $(x^2)^2 - (y^2)^2$, thus recognizing it as a difference of squares that can be factored as $(x^2 - y^2)(x^2 + y^2)$.

Mastery Level (check one):

☐

4 - Demonstrates Full Mastery

(Exceeds expectations, shows deep understanding)

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3 - Demonstrates Mastery with Unrelated Mistakes

Question 12

Standard: A-REI.A.1

Rigor: medium

Problem 12: Explain each step in solving a simple equation as following from the equality of numbers asserted at the previous step, starting from the assumption that the original equation has a solution. Construct a viable argument to justify a solution method.

Mastery Level (check one):

☐

4 - Demonstrates Full Mastery

(Exceeds expectations, shows deep understanding)

☐

3 - Demonstrates Mastery with Unrelated Mistakes

(Meets expectations, minor errors don't affect understanding)

☐

2 - Does Not Demonstrate Mastery

(Approaching expectations, significant gaps in understanding)

☐

1 - No Attempt

(No evidence of understanding or no response provided)

Evidence/Notes:

Question 12

Standard: A-REI.A.1

Rigor: medium

Problem 12: Solve quadratic equations in one variable.

Mastery Level (check one):

☐

4 - Demonstrates Full Mastery

(Exceeds expectations, shows deep understanding)

☐

3 - Demonstrates Mastery with Unrelated Mistakes

Question 12

Standard: A-REI.A.1

Rigor: medium

Problem 12: Solve quadratic equations in one variable.

Mastery Level (check one):

☐

4 - Demonstrates Full Mastery

(Exceeds expectations, shows deep understanding)

☐

3 - Demonstrates Mastery with Unrelated Mistakes

(Meets expectations, minor errors don't affect understanding)

☐

2 - Does Not Demonstrate Mastery

(Approaching expectations, significant gaps in understanding)

☐

1 - No Attempt

(No evidence of understanding or no response provided)

Evidence/Notes:

Question 2

Standard: A-APR.A.1

Rigor: medium

Problem 2: Understand that polynomials form a system analogous to the integers, namely, they are closed under the operations of addition, subtraction, and multiplication; add, subtract, and multiply polynomials.

Mastery Level (check one):

☐

4 - Demonstrates Full Mastery

(Exceeds expectations, shows deep understanding)

☐

3 - Demonstrates Mastery with Unrelated Mistakes

(Meets expectations, minor errors don't affect understanding)

Question 2

Standard: A-APR.A.1

Rigor: medium

Problem 2: Understand that polynomials form a system analogous to the integers, namely, they are closed under the operations of addition, subtraction, and multiplication; add, subtract, and multiply polynomials.

Mastery Level (check one):

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(Exceeds expectations, shows deep understanding)

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(Meets expectations, minor errors don't affect understanding)

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(Approaching expectations, significant gaps in understanding)

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1 - No Attempt

(No evidence of understanding or no response provided)

Evidence/Notes:

Question 2

Standard: A-APR.A.1

Rigor: medium

Problem 2: Understand that polynomials form a system analogous to the integers, namely, they are closed under the operations of addition, subtraction, and multiplication; add, subtract, and multiply polynomials.

Mastery Level (check one):

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4 - Demonstrates Full Mastery

(Exceeds expectations, shows deep understanding)

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3 - Demonstrates Mastery with Unrelated Mistakes

Question 3

Standard: A-APR.A.1

Rigor: mild

Problem 3: Understand that polynomials form a system analogous to the integers, namely, they are closed under the operations of addition, subtraction, and multiplication; add, subtract, and multiply polynomials.

Mastery Level (check one):

☐

4 - Demonstrates Full Mastery

(Exceeds expectations, shows deep understanding)

☐

3 - Demonstrates Mastery with Unrelated Mistakes

(Meets expectations, minor errors don't affect understanding)

☐

2 - Does Not Demonstrate Mastery

(Approaching expectations, significant gaps in understanding)

☐

1 - No Attempt

(No evidence of understanding or no response provided)

Evidence/Notes:

Question 3

Standard: A-APR.A.1

Rigor: mild

Problem 3: Understand that polynomials form a system analogous to the integers, namely, they are closed under the operations of addition, subtraction, and multiplication; add, subtract, and multiply polynomials.

Mastery Level (check one):

☐

4 - Demonstrates Full Mastery

(Exceeds expectations, shows deep understanding)

☐

3 - Demonstrates Mastery with Unrelated Mistakes

Question 3

Standard: A-APR.A.1

Rigor: mild

Problem 3: Understand that polynomials form a system analogous to the integers, namely, they are closed under the operations of addition, subtraction, and multiplication; add, subtract, and multiply polynomials.

Mastery Level (check one):

☐

4 - Demonstrates Full Mastery

(Exceeds expectations, shows deep understanding)

☐

3 - Demonstrates Mastery with Unrelated Mistakes

(Meets expectations, minor errors don't affect understanding)

☐

2 - Does Not Demonstrate Mastery

(Approaching expectations, significant gaps in understanding)

☐

1 - No Attempt

(No evidence of understanding or no response provided)

Evidence/Notes:

Question 4

Standard: A-APR.A.1

Rigor: medium

Problem 4: Understand that polynomials form a system analogous to the integers, namely, they are closed under the operations of addition, subtraction, and multiplication; add, subtract, and multiply polynomials.

Mastery Level (check one):

☐

4 - Demonstrates Full Mastery

(Exceeds expectations, shows deep understanding)

☐

3 - Demonstrates Mastery with Unrelated Mistakes

Question 4

Standard: A-APR.A.1

Rigor: medium

Problem 4: Understand that polynomials form a system analogous to the integers, namely, they are closed under the operations of addition, subtraction, and multiplication; add, subtract, and multiply polynomials.

Mastery Level (check one):

☐

4 - Demonstrates Full Mastery

(Exceeds expectations, shows deep understanding)

☐

3 - Demonstrates Mastery with Unrelated Mistakes

(Meets expectations, minor errors don't affect understanding)

☐

2 - Does Not Demonstrate Mastery

(Approaching expectations, significant gaps in understanding)

☐

1 - No Attempt

(No evidence of understanding or no response provided)

Evidence/Notes:

Question 4

Standard: A-APR.A.1

Rigor: medium

Problem 4: Understand that polynomials form a system analogous to the integers, namely, they are closed under the operations of addition, subtraction, and multiplication; add, subtract, and multiply polynomials.

Mastery Level (check one):

☐

4 - Demonstrates Full Mastery

(Exceeds expectations, shows deep understanding)

☐

3 - Demonstrates Mastery with Unrelated Mistakes

Question 5

Standard: A-APR.A.1

Rigor: medium

Problem 5: Understand that polynomials form a system analogous to the integers, namely, they are closed under the operations of addition, subtraction, and multiplication; add, subtract, and multiply polynomials.

Mastery Level (check one):

☐

4 - Demonstrates Full Mastery

(Exceeds expectations, shows deep understanding)

☐

3 - Demonstrates Mastery with Unrelated Mistakes

(Meets expectations, minor errors don't affect understanding)

☐

2 - Does Not Demonstrate Mastery

(Approaching expectations, significant gaps in understanding)

☐

1 - No Attempt

(No evidence of understanding or no response provided)

Evidence/Notes:

Question 5

Standard: A-APR.A.1

Rigor: medium

Problem 5: Understand that polynomials form a system analogous to the integers, namely, they are closed under the operations of addition, subtraction, and multiplication; add, subtract, and multiply polynomials.

Mastery Level (check one):

☐

4 - Demonstrates Full Mastery

(Exceeds expectations, shows deep understanding)

☐

3 - Demonstrates Mastery with Unrelated Mistakes

Question 5

Standard: A-APR.A.1

Rigor: medium

Problem 5: Understand that polynomials form a system analogous to the integers, namely, they are closed under the operations of addition, subtraction, and multiplication; add, subtract, and multiply polynomials.

Mastery Level (check one):

☐

4 - Demonstrates Full Mastery

(Exceeds expectations, shows deep understanding)

☐

3 - Demonstrates Mastery with Unrelated Mistakes

(Meets expectations, minor errors don't affect understanding)

☐

2 - Does Not Demonstrate Mastery

(Approaching expectations, significant gaps in understanding)

☐

1 - No Attempt

(No evidence of understanding or no response provided)

Evidence/Notes:

Question 6

Standard: A-APR.A.1

Rigor: medium

Problem 6: Understand that polynomials form a system analogous to the integers, namely, they are closed under the operations of addition, subtraction, and multiplication; add, subtract, and multiply polynomials.

Mastery Level (check one):

☐

4 - Demonstrates Full Mastery

(Exceeds expectations, shows deep understanding)

☐

3 - Demonstrates Mastery with Unrelated Mistakes

Question 6

Standard: A-APR.A.1

Rigor: medium

Problem 6: Understand that polynomials form a system analogous to the integers, namely, they are closed under the operations of addition, subtraction, and multiplication; add, subtract, and multiply polynomials.

Mastery Level (check one):

☐

4 - Demonstrates Full Mastery

(Exceeds expectations, shows deep understanding)

☐

3 - Demonstrates Mastery with Unrelated Mistakes

(Meets expectations, minor errors don't affect understanding)

☐

2 - Does Not Demonstrate Mastery

(Approaching expectations, significant gaps in understanding)

☐

1 - No Attempt

(No evidence of understanding or no response provided)

Evidence/Notes:

Question 6

Standard: A-APR.A.1

Rigor: medium

Problem 6: Understand that polynomials form a system analogous to the integers, namely, they are closed under the operations of addition, subtraction, and multiplication; add, subtract, and multiply polynomials.

Mastery Level (check one):

☐

4 - Demonstrates Full Mastery

(Exceeds expectations, shows deep understanding)

☐

3 - Demonstrates Mastery with Unrelated Mistakes

Question 7

Standard:	A-APR.A.1	Rigor:	medium
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Problem 7: Understand that polynomials form a system analogous to the integers, namely, they are closed under the operations of addition, subtraction, and multiplication; add, subtract, and multiply polynomials.

Mastery Level (check one):

☐ **4 - Demonstrates Full Mastery**
(Exceeds expectations, shows deep understanding)

☐ **3 - Demonstrates Mastery with Unrelated Mistakes**
(Meets expectations, minor errors don't affect understanding)

☐ **2 - Does Not Demonstrate Mastery**
(Approaching expectations, significant gaps in understanding)

☐ **1 - No Attempt**
(No evidence of understanding or no response provided)

Evidence/Notes:

Question 7

Standard:	A-APR.A.1	Rigor:	medium
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Problem 7: Understand that polynomials form a system analogous to the integers, namely, they are closed under the operations of addition, subtraction, and multiplication; add, subtract, and multiply polynomials.

Mastery Level (check one):

☐ **4 - Demonstrates Full Mastery**
(Exceeds expectations, shows deep understanding)

☐ **3 - Demonstrates Mastery with Unrelated Mistakes**

Question 7

Standard: A-APR.A.1

Rigor: medium

Problem 7: Understand that polynomials form a system analogous to the integers, namely, they are closed under the operations of addition, subtraction, and multiplication; add, subtract, and multiply polynomials.

Mastery Level (check one):

☐

4 - Demonstrates Full Mastery

(Exceeds expectations, shows deep understanding)

☐

3 - Demonstrates Mastery with Unrelated Mistakes

(Meets expectations, minor errors don't affect understanding)

☐

2 - Does Not Demonstrate Mastery

(Approaching expectations, significant gaps in understanding)

☐

1 - No Attempt

(No evidence of understanding or no response provided)

Evidence/Notes:

Question 8

Standard: A-APR.A.1

Rigor: medium

Problem 8: Understand that polynomials form a system analogous to the integers, namely, they are closed under the operations of addition, subtraction, and multiplication; add, subtract, and multiply polynomials.

Mastery Level (check one):

☐

4 - Demonstrates Full Mastery

(Exceeds expectations, shows deep understanding)

☐

3 - Demonstrates Mastery with Unrelated Mistakes

Question 8

Standard: A-APR.A.1

Rigor: medium

Problem 8: Understand that polynomials form a system analogous to the integers, namely, they are closed under the operations of addition, subtraction, and multiplication; add, subtract, and multiply polynomials.

Mastery Level (check one):

☐

4 - Demonstrates Full Mastery

(Exceeds expectations, shows deep understanding)

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(Meets expectations, minor errors don't affect understanding)

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(Approaching expectations, significant gaps in understanding)

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1 - No Attempt

(No evidence of understanding or no response provided)

Evidence/Notes:

Question 8

Standard: A-APR.A.1

Rigor: medium

Problem 8: Understand that polynomials form a system analogous to the integers, namely, they are closed under the operations of addition, subtraction, and multiplication; add, subtract, and multiply polynomials.

Mastery Level (check one):

☐

4 - Demonstrates Full Mastery

(Exceeds expectations, shows deep understanding)

☐

3 - Demonstrates Mastery with Unrelated Mistakes

Question 9

Standard: A-REI.B.4

Rigor: medium

Problem 9: Solve quadratic equations in one variable.

Mastery Level (check one):

☐

4 - Demonstrates Full Mastery

(Exceeds expectations, shows deep understanding)

☐

3 - Demonstrates Mastery with Unrelated Mistakes

(Meets expectations, minor errors don't affect understanding)

☐

2 - Does Not Demonstrate Mastery

(Approaching expectations, significant gaps in understanding)

☐

1 - No Attempt

(No evidence of understanding or no response provided)

Evidence/Notes:

Question 9

Standard: A-REI.B.4

Rigor: medium

Problem 9: Solve quadratic equations in one variable.

Mastery Level (check one):

☐

4 - Demonstrates Full Mastery

(Exceeds expectations, shows deep understanding)

☐

3 - Demonstrates Mastery with Unrelated Mistakes

(Meets expectations, minor errors don't affect understanding)

Question 9

Standard: A-REI.B.4

Rigor: medium

Problem 9: Solve quadratic equations in one variable.

Mastery Level (check one):

☐

4 - Demonstrates Full Mastery

(Exceeds expectations, shows deep understanding)

☐

3 - Demonstrates Mastery with Unrelated Mistakes

(Meets expectations, minor errors don't affect understanding)

☐

2 - Does Not Demonstrate Mastery

(Approaching expectations, significant gaps in understanding)

☐

1 - No Attempt

(No evidence of understanding or no response provided)

Evidence/Notes:

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Overall Standards Mastery Summary

Standards Mastered (Level 3-4): _____

Standards Approaching (Level 2): _____

Standards Not Yet Demonstrated (Level 1): _____

Next Steps for Learning: