MAT1033C Intermediate Algebra Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Please time yourself, take this quiz and write a self-reflection essay using the space provided below.

Starting time:\_\_\_\_\_\_\_\_\_

Ending time:\_\_\_\_\_\_\_\_\_\_

Total time spent:\_\_\_\_\_\_\_\_\_minutes

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Student Signature Date**

**Quiz 1**

1. Simplify the expression: −4[5 -3(−4 + 9)] + 15

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| Part I | Part II | Resources Used, if any |
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2. Simplify the arithmetic expression:

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| Part I | Part II | Resources Used, if any |
|  |  |  |

3. Solve the equation: 7( - 𝑥 + 1) = −2(𝑥 − 4) +3 𝑥

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| Part I | Part II | Resources Used, if any |
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4. Evaluate the expression 𝑥2 − 3𝑦𝑧 + 2(𝑥 + 𝑦) for 𝑥 = −2, y = 3, 𝑧 = −1.

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| Part I | Part II | Resources Used, if any |
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5. Simplify the polynomial: (3𝑥2 + x - 5)(2𝑥 − 6) − (2𝑥)(𝑥2 − 3𝑥 − 4)

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| Part I | Part II | Resources Used, if any |
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6. A television is on sale for $720. If the sale price is 10% less than the regular price, what was the regular price?

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| Part I | Part II | Resources Used, if any |
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7. Solve the equation for y:

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| Part I | Part II | Resources Used, if any |
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8. Factor the trinomial:

|  |  |  |
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| Part I | Part II | Resources Used, if any |
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9. Find the x- and y-intercept of the linear equation 6𝑥 − 3𝑦 = −18, and write your answers as ordered pairs.

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| Part I | Part II | Resources Used, if any |
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10. Graph the line with a slope of and the y-intercept at (0,4), and write the equation of this line in slope-intercept form.

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| Part I | Part II | Resources Used, if any |
|  | Equation: |  |