**Systems of equations- Checkpoint Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

 **Day \_\_\_ Period \_\_\_\_**

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| **Beginning** | **Developing** | **Accomplished** | **Exemplary** |
| Does not demonstrate a basic understanding of concept. Substantial errors throughout. | Basic understanding of concepts. Errors and inconsistency reveal some missing understanding of concept. Difficulty with harder questions. | Solid understanding of concepts. Most answers are correct with only a few minor errors. | Complete and in depth understanding of concept. Answers are correct. |

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| **Concept #1: Model each situation with a system of linear equations.** |
| 1. A box contains 23 coins consisting of dimes and quarters. There is a total of $3.35 in the box.

Equation 1:Equation 2: 1. One vehicle has 5L of fuel in its tank and being filled at a rate of 0.9 L/second. A second vehicle has 3L of fuel in its tank and is being filled at a rate of 1.2 L/second.

Equation 1: Equation 2: |
| **Beginning** | **Developing** | **Accomplished** | **Exemplary** |
| **Map for improvement:** |

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| **Concept #2: Determine the solution to a system of equations using the graphing CALCULATOR.** |
|  $5x+6y=-35$ and $3x+8y=10$[ , ] [ , ] x min x max y min y max |
| **Beginning** | **Developing** | **Accomplished** | **Exemplary** |
| **Map for improvement:** |

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| **Concept #3: Determine the solution to a system of equations by graphing.** |
| Graph the system **by hand** and determine the solution. y=8x-3 y=2x+3 |
| **Beginning** | **Developing** | **Accomplished** | **Exemplary** |
| **Map for improvement:** |

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| **Concept #4: Determine the number of solutions (without graphing).**  **Justify your answer.**  |
| 1. x – 2y = - 5 and 4x – 8y = -20 b) 2x – 5y = 18 and 10y = 4x + 13

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| **Beginning** | **Developing** | **Accomplished** | **Exemplary** |
| **Map for improvement:** |