CCSS Algebra 1 AA3 Systems Notes Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| **I can determine whether or not a coordinate point is a SOLUTION to a SYSTEM.** | **I can GRAPH a SYSTEM to determine the SOLUTION.** |
| (0, 5) is a SOLUTION to  because    AND | Solve the system by GRAPHING: |
| Solution (\_\_, \_\_\_) |
| **I can use the EQUAL VALUES METHOD to find the SOLUTION to a SYSTEM.** | **I can use SUBSTITUTION to find the SOLUTION to a SYSTEM.** |
| For the SYSTEM shown,  1. The 1st Step to solving is to make  \_\_\_\_\_\_\_\_\_\_\_\_\_= \_\_\_\_\_\_\_\_\_\_\_\_\_\_  2. The SOLUTION to the SYSTEM is  x = \_\_\_\_\_ and y = \_\_\_\_\_ or ( \_\_\_\_, \_\_\_\_\_ ) | For the SYSTEM shown,  1. The 1st Step to solving is by replacing the \_\_\_\_ in  \_\_\_\_\_\_\_ with \_\_\_\_\_\_\_\_  2. The SOLUTION to the SYSTEM is  x = \_\_\_\_\_\_ and y = \_\_\_\_\_ or ( \_\_\_\_\_, \_\_\_\_\_\_) |
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| **I can use ELIMINATION to find the SOLUTION to a SYSTEM.** | **I can use ELIMINATION with MULTIPLICATION to find the SOLUTION to a SYSTEM.** |
| For the SYSTEM shown,  1. If I ADD the two equations together, the \_\_\_\_ will  be eliminated and the equation will become    \_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_  2. Once I find the value of x, I can find y by solving  the equation \_\_\_\_\_\_\_\_\_\_\_\_\_= \_\_\_\_\_\_\_  3. The SOLUTION to the SYSTEM is  x = \_\_\_\_\_ and y = \_\_\_\_\_ or ( \_\_\_\_, \_\_\_\_\_ ) | For the SYSTEM shown,  1. The 1st Step to solving is to MULTIPLY  \_\_\_\_\_\_\_\_\_\_\_ by \_\_\_\_.  2. The 2nd Step to solving is:  3. The SOLUTION to the SYSTEM is  x = \_\_\_\_\_ and y = \_\_\_\_\_ or ( \_\_\_\_, \_\_\_\_\_ ) |
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| **I can determine is a SYSTEM has NO SOLUTION or an INFINITE NUMBER OF SOLUTIONS.** | **Extra Practice:**   1. **and** 2. **and**      1. **and** |
| 1. If a SYSTEM has NO SOLUTION, the graphs of  the two lines in the SYSTEM are \_\_\_\_\_\_\_\_\_\_\_\_.  2. If a SYSTEM has an INFINITE NUMBER OF  SOLUTIONS, the graphs of the two lines in the  SYSTEM are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.  3. If a SYSTEM has NO SOLUTION, using EQUAL  VALUES, SUBSTITUTION or ELIMINATION will    result in an equation like \_\_\_\_\_\_= \_\_\_\_\_\_\_.  4. If a SYSTEM has an INFINITE NUMBER OF  SOLUTIONS, using EQUAL VALUES,  SUBSTITUTION or ELIMINATION will result in an  equation like \_\_\_\_\_\_= \_\_\_\_\_\_\_. |
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