Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_

Homework sheet: Alg2H

Systems of equations: Graphs\_xyz\_Cramer

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| * 1. Solve the system of equations:   2. Graph the system of equations using desmos. Do the results agree? Draw the graph (just qualitatively). |
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| * 1. Write two equations with solution .   2. Plot the system you derived, and verify your answer. |
| * 1. Write two equations with solutions AND . That means, both pairs should be a valid solution to your equations.   2. Plot the system you derived, and verify your answer. |
| * 1. Write two inconsistent equations, namely with no solution.   2. Plot the system you derived, and verify your answer. |
| 1. Solve the system of equations: |
| 1. Solve the following system:   Can you solve it on Desmos? Try with slider for z. |
| 1. Solve the following system, and then check your answer by graphing: |
| 1. Cramer’s rule. |
| 1. Solve the system using Cramer’s rule |