Name _____ Date _____ Pd _____

**CYU 1.5.5 Cramer's Rule & Solving Systems with Matrices**

☑ *Use when you get it right all by yourself*

***S*** *Use when you did it all by yourself, but made a silly mistake*

***H*** *Use when you could do it alone with a little help from teacher or peer*

***G*** *Use when you completed the problem in a group*

***X*** *Use when a question was attempted but wrong (get help)*

***N*** *Use when a question was not even attempted*

| CONCEPTS | BASIC | INTERMEDIATE | ADVANCED |
|---|---|---|---|
| Inverses | 1 - 4 | | |
| Cramer's Rule | | | 1 - 4 |

**Systems Using Inverses and Cramer's Rule:** *Solve each of the following systems both ways. If the answers match you "probably" did it correctly. Still check with a calculator to be sure!*

1. $-2x - 5y + 4z = 21$
$-5x - 5y + z = 21$
$-4y - 4z = 8$

2. $4x - 4y + 2z = -14$
$4x + 2y = 14$
$-3y + z = -10$

3. $5x + y - 4z = -4$
$-3y - 6z = -21$
$-x - y - z = -6$

4. $-3z = 6$
$2x + y - 2z = 6$
$-6x - 3y = -6$

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