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)

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

 $-5x - 5y + z = 21$
 $-4y - 4z = 8$ (-1, -3, 1)

$$d_1 = -132$$
 $d_2 = -396$
 $d_3 = 132$
 $d_4 = 132$

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

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

1/ 5

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

 $-3y - 6z = -21$
 $-x - y - z = -6$ (5, -5, 6)

$$d_1 = 15$$
 $d_2 = -15$
 $d_3 = 18$
 $d = 3$

4.
$$-3z = 6$$

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

6=6/ always true

CYU Reflection: How far can you go: basic, intermediate, or advanced?

Rate your mastery level!

How confident are you with the skills this CYU covered? Circle the score you would give yourself.

