Matrices

Name:_____ Date:_____

Cramer's Rules

1

$7x + 2y = 24$

$12x + 3y = 21$ _____

2

$5x + 2y + z = 10$

$4x + 2y + z = 14$ _____

$9x + y + 2z = 18$

3

$2x + 2y = 10$

$4x + 4y = 8$ _____

4

$2x + 3y - 5z = 1$

$x + y - z = 2$ _____

$2y + z = 8$

5

$11x + 4y + 2z = 22$

$4x + 12y + 2z = 24$ _____

$16x + 4y + 2z = 32$

6

$-2x - 3y = 5$

$-4x + 6y = -2$ _____

7

$2x - 3y + 6z = -18$

$-6x + 5y - 3z = 12$ _____

$-5x + 4y - z = 10$

8

$9x + 3y + 9z = 27$

$6x + 3y + 4z = 12$ _____

$3x + 2y + z = 6$

9

$10x + y = 20$

$15x + 2y = 15$ _____

10

$8x + 3y + 5z = 40$

$7x + 5y + 2z = 35$ _____

$4x + 4y + 3z = 44$

Matrices

Name:_____ Date:_____

Cramer's Rules

1

$7x + 2y = 24$

$12x + 3y = 21$

(-10, 47)

2

$5x + 2y + z = 10$

$4x + 2y + z = 14$

$9x + y + 2z = 18$

$(-4, 2, 26)$

3

$2x + 2y = 10$

$4x + 4y = 8$

No Solution

4

$2x + 3y - 5z = 1$

$x + y - z = 2$

$2y + z = 8$

(1, 3, 2)

5

$11x + 4y + 2z = 22$

$4x + 12y + 2z = 24$

$16x + 4y + 2z = 32$

$(2, 2, -4)$

6

$-2x - 3y = 5$

$-4x + 6y = -2$

(-1, -1)

7

$2x - 3y + 6z = -18$

$-6x + 5y - 3z = 12$

$-5x + 4y - z = 10$

(12, 18, 2)

8

$9x + 3y + 9z = 27$

$6x + 3y + 4z = 12$

$3x + 2y + z = 6$

No Solution

9

$10x + y = 20$

$15x + 2y = 15$

(5, -30)

10

$8x + 3y + 5z = 40$

$7x + 5y + 2z = 35$

$4x + 4y + 3z = 44$

(-3, 8, 8)