Matrices

Name:_____ Date:_____

Cramer's Rules

1

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

$2x + y + 3z = 0$

$-x + 2y - 5z = 17$

_____

2

$- y - 2z = -8$

$x + 3z = 2$

$7x + y + z = 0$

_____

3

$-2x + y + z = 4$

$-4x + 2y - z = 8$

$-6x - 3y + z = 0$

_____

4

$x + y - z = 6$

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

$x + 3y - 2z = 14$

_____

5

$x + y - z = -2$

$2x - y + 2z = 0$

$x - 2y + 3z = 1$

_____

6

$3x - 2y + z = 2$

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

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

_____

7

$x + y + z = 6$

$x - y + z = 2$

$2x - y + 3z = 6$

_____

8

$x + 4y - 2z = 3$

$x + 3y + 7z = 1$

$2x + 9y + z = 8$

_____

9

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

$x + y - z = 2$

$2y + z = 8$

_____

10

$x - 2y + 3z = 0$

$3x + y - 2z = 0$

$2x - 4y + 6z = 0$

_____

Matrices

Name:_____ Date:_____

Cramer's Rules

1

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

$2x + y + 3z = 0$

$-x + 2y - 5z = 17$

(1, 4, -2)

2

$-y - 2z = -8$

$x + 3z = 2$

$7x + y + z = 0$

(-1, 6, 1)

3

$-2x + y + z = 4$

$-4x + 2y - z = 8$

$-6x - 3y + z = 0$

(-1, 2, 0)

4

$x + y - z = 6$

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

$x + 3y - 2z = 14$

(1, 3, -2)

5

$x + y - z = -2$

$2x - y + 2z = 0$

$x - 2y + 3z = 1$

No Solution

6

$3x - 2y + z = 2$

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

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

(1, 2, 3)

7

$x + y + z = 6$

$x - y + z = 2$

$2x - y + 3z = 6$

(4, 2, 0)

8

$x + 4y - 2z = 3$

$x + 3y + 7z = 1$

$2x + 9y + z = 8$

(-5, 2, 0)

9

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

$x + y - z = 2$

$2y + z = 8$

(1, 3, 2)

10

$x - 2y + 3z = 0$

$3x + y - 2z = 0$

$2x - 4y + 6z = 0$

No Solution