

Matrices

Name: _____

Date: _____

Cramer's Rules

1

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

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

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

2

$$4x + 2y = 6$$

$$-8x - 4y = -8$$

3

$$4x + 3y = 7$$

$$6x + 8y = 14$$

4

$$7x + 3y + 3z = 42$$

$$7x + y + 2z = 14$$

$$14x + 3y + z = 42$$

5

$$x - 2y + 3z = 0$$

$$3x + y - 2z = 0$$

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

6

$$22x + y = 11$$

$$11x + y = 22$$

7

$$4x + 7y + 4z = 28$$

$$6x + 4y + 2z = 22$$

$$2x + 4y + 2z = 26$$

8

$$12x + 3y = 15$$

$$2x - 3y = 13$$

9

$$12x + 3y = 24$$

$$6x + 2y = 18$$

10

$$3x + 3y + 16z = 48$$

$$9x + 2y + 8z = 36$$

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

Matrices

Name: _____

Date: _____

Cramer's Rules

1

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

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

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

_____ (0, 1, 1)

2

$$4x + 2y = 6$$

$$-8x - 4y = -8$$

_____ No Solution

3

$$4x + 3y = 7$$

$$6x + 8y = 14$$

_____ (1, 1)

4

$$7x + 3y + 3z = 42$$

$$7x + y + 2z = 14$$

$$14x + 3y + z = 42$$

_____ (0, 14, 0)

5

$$x - 2y + 3z = 0$$

$$3x + y - 2z = 0$$

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

_____ No Solution

6

$$22x + y = 11$$

$$11x + y = 22$$

_____ (-1, 33)

7

$$4x + 7y + 4z = 28$$

$$6x + 4y + 2z = 22$$

$$2x + 4y + 2z = 26$$

_____ (-1, 24, -34)

8

$$12x + 3y = 15$$

$$2x - 3y = 13$$

_____ (2, -3)

9

$$12x + 3y = 24$$

$$6x + 2y = 18$$

_____ (-1, 12)

10

$$3x + 3y + 16z = 48$$

$$9x + 2y + 8z = 36$$

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

_____ (4, -36, 9)