

Matrices

Name: _____

Date: _____

Cramer's Rules

1

$$3x - 4y + 2z = 15$$

$$2x - y + z = 13$$

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

2

$$3x - 4y = 10$$

$$4x + 3y = 5$$

3

$$4x - 9y = 5$$

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

4

$$x + y + z = 6$$

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

$$3x + 2y + z = 13$$

5

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

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

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

6

$$3x + y = 15$$

$$13x + 5y = 13$$

7

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

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

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

8

$$6x + 2y + z = 12$$

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

$$9x + 2y + 9z = 18$$

9

$$7x + 2y = 24$$

$$12x + 3y = 21$$

10

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

$$2x - 6y + 3z = -5$$

$$5x - 4y - z = -6$$

Matrices

Name: _____

Date: _____

Cramer's Rules

1

$$3x - 4y + 2z = 15$$

$$2x - y + z = 13 \quad \underline{(5, 3, 6)}$$

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

2

$$3x - 4y = 10$$

$$4x + 3y = 5 \quad \underline{(2, -1)}$$

3

$$4x - 9y = 5$$

$$-2x - 4y = 6 \quad \underline{(-1, -1)}$$

4

$$x + y + z = 6$$

$$2x - y + 3z = 4 \quad \underline{(2, 3, 1)}$$

$$3x + 2y + z = 13$$

5

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

$$2x - y + 2z = 0 \quad \underline{\text{No Solution}}$$

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

6

$$3x + y = 15$$

$$13x + 5y = 13 \quad \underline{(31, -78)}$$

7

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

$$3x - 2y - 2z = 1 \quad \underline{(1, 0, 1)}$$

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

8

$$6x + 2y + z = 12$$

$$5x + y + 5z = 10 \quad \underline{(2, 0, 0)}$$

$$9x + 2y + 9z = 18$$

9

$$7x + 2y = 24$$

$$12x + 3y = 21 \quad \underline{(-10, 47)}$$

10

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

$$2x - 6y + 3z = -5 \quad \underline{(5, 6, 7)}$$

$$5x - 4y - z = -6$$