

Matrices

Name: _____

Date: _____

Cramer's Rules

1

$$3x + 10y = 30$$

$$8x + 2y = 6$$

2

$$15x + y + 7z = 105$$

$$3x + 5y + z = 15$$

$$7x + y + 3z = 21$$

3

$$16x + y + 6z = 96$$

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

$$4x + y + 8z = 32$$

4

$$-8x + 9y = -2$$

$$3x - 3y = 0$$

5

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

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

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

6

$$-6x + 3y = -9$$

$$-8x + 2y = 6$$

7

$$6x + 2y = 12$$

$$7x + 2y = 14$$

8

$$-4x + 6y = -10$$

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

9

$$17x + 3y + 2z = 51$$

$$7x + 4y + 3z = 12$$

$$10x + 2y + z = 5$$

10

$$8x + 9y = 72$$

$$2x + 9y = 18$$

Matrices

Name: _____

Date: _____

Cramer's Rules

1

$$3x + 10y = 30$$

$$8x + 2y = 6 \quad \underline{\quad (0, 3) \quad}$$

2

$$15x + y + 7z = 105$$

$$3x + 5y + z = 15 \quad \underline{\quad (-51, 9, 123) \quad}$$

$$7x + y + 3z = 21$$

3

$$16x + y + 6z = 96$$

$$4x + y + 4z = 16 \quad \underline{\quad (6, -24, 4) \quad}$$

$$4x + y + 8z = 32$$

4

$$-8x + 9y = -2$$

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

5

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

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

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

6

$$-6x + 3y = -9$$

$$-8x + 2y = 6 \quad \underline{\quad (-3, -9) \quad}$$

7

$$6x + 2y = 12$$

$$7x + 2y = 14 \quad \underline{\quad (2, 0) \quad}$$

8

$$-4x + 6y = -10$$

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

9

$$17x + 3y + 2z = 51$$

$$7x + 4y + 3z = 12 \quad \underline{\quad (5, -56, 67) \quad}$$

$$10x + 2y + z = 5$$

10

$$8x + 9y = 72$$

$$2x + 9y = 18 \quad \underline{\quad (9, 0) \quad}$$