

Matrices

Name: _____

Date: _____

Cramer's Rules

1

$$4x + 8y + 2z = 16$$

$$3x + 2y + 6z = 18 \quad \underline{\quad (18, -6, -4) \quad}$$

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

2

$$8x + 2y + 4z = 16$$

$$6x + 3y + z = 12 \quad \underline{\hspace{2cm}}$$

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

3

$$5x + 5y + 10z = 15$$

$$2x + 7y + z = 14 \quad \underline{\hspace{2cm}}$$

$$4x + 2y + 8z = 16$$

4

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

$$3x + 9y + 3z = 3 \quad \underline{\hspace{2cm}}$$

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

5

$$6x + 5y + 3z = 10$$

$$4x + 3y + 2z = 8 \quad \underline{\hspace{2cm}}$$

$$8x + 2y + 2z = 16$$

6

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

$$5x + y + 5z = 10 \quad \underline{\hspace{2cm}}$$

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

7

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

$$7x + 2y + 3z = 21 \quad \underline{\hspace{2cm}}$$

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

8

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

$$2x + 6y + 4z = 8 \quad \underline{\hspace{2cm}}$$

$$3x + 3y + 9z = 12$$

9

$$8x + 2y + 2z = 12$$

$$6x + 4y + 2z = 8 \quad \underline{\hspace{2cm}}$$

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

10

$$8x + 4y + 2z = 14$$

$$6x + y + 4z = 10 \quad \underline{\hspace{2cm}}$$

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

Matrices

Name: _____

Date: _____

Cramer's Rules

1

$$4x + 8y + 2z = 16$$

$$3x + 2y + 6z = 18 \quad \underline{\quad (18, -6, -4) \quad}$$

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

2

$$8x + 2y + 4z = 16$$

$$6x + 3y + z = 12 \quad \underline{\quad (2, 0, 0) \quad}$$

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

3

$$5x + 5y + 10z = 15$$

$$2x + 7y + z = 14 \quad \underline{\quad (17, -2, -6) \quad}$$

$$4x + 2y + 8z = 16$$

4

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

$$3x + 9y + 3z = 3 \quad \underline{\quad (1, 0, 0) \quad}$$

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

5

$$6x + 5y + 3z = 10$$

$$4x + 3y + 2z = 8 \quad \underline{\quad (1, -4, 8) \quad}$$

$$8x + 2y + 2z = 16$$

6

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

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

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

7

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

$$7x + 2y + 3z = 21 \quad \underline{\quad (13, -26, -6) \quad}$$

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

8

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

$$2x + 6y + 4z = 8 \quad \underline{\quad (4, 0, 0) \quad}$$

$$3x + 3y + 9z = 12$$

9

$$8x + 2y + 2z = 12$$

$$6x + 4y + 2z = 8 \quad \underline{\quad (-4, -6, 28) \quad}$$

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

10

$$8x + 4y + 2z = 14$$

$$6x + y + 4z = 10 \quad \underline{\quad (-8, 14, 11) \quad}$$

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