

Matrices

Name: _____

Date: _____

Cramer's Rules

1

$$9x + 2y + 3z = 27$$

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

$$5x + 8y + 6z = 30$$

2

$$7x + 4y + 3z = 33$$

$$4x + 3y + 7z = 40$$

$$5x + 7y + 5z = 35$$

3

$$6x + y + 4z = 26$$

$$8x + 3y + 5z = 40$$

$$9x + 6y + 5z = 40$$

4

$$5x + 9y + 2z = 40$$

$$2x + 6y + 7z = 28$$

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

5

$$8x + 3y + 5z = 40$$

$$7x + 5y + 2z = 35$$

$$4x + 4y + 3z = 44$$

6

$$8x + 3y + 2z = 24$$

$$6x + 4y + 2z = 28$$

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

7

$$5x + 7y + z = 35$$

$$9x + 5y + 2z = 45$$

$$5x + 5y + z = 25$$

8

$$2x + 10y + 2z = 20$$

$$10x + 3y + 3z = 30$$

$$4x + 10y + 4z = 40$$

9

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

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

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

10

$$2x + 4y + 2z = 34$$

$$3x + 6y + 2z = 38$$

$$3x + 5y + 9z = 36$$

Matrices

Name: _____

Date: _____

Cramer's Rules

1

$$\begin{aligned} 9x + 2y + 3z &= 27 \\ 8x + 4y + 4z &= 32 \quad (12, 33, -49) \\ 5x + 8y + 6z &= 30 \end{aligned}$$

2

$$\begin{aligned} 7x + 4y + 3z &= 33 \\ 4x + 3y + 7z &= 40 \quad (3, 0, 4) \\ 5x + 7y + 5z &= 35 \end{aligned}$$

3

$$\begin{aligned} 6x + y + 4z &= 26 \\ 8x + 3y + 5z &= 40 \quad (-90, 30, 134) \\ 9x + 6y + 5z &= 40 \end{aligned}$$

4

$$\begin{aligned} 5x + 9y + 2z &= 40 \\ 2x + 6y + 7z &= 28 \quad (-1, 5, 0) \\ 4x + 4y + 8z &= 16 \end{aligned}$$

5

$$\begin{aligned} 8x + 3y + 5z &= 40 \\ 7x + 5y + 2z &= 35 \quad (-3, 8, 8) \\ 4x + 4y + 3z &= 44 \end{aligned}$$

6

$$\begin{aligned} 8x + 3y + 2z &= 24 \\ 6x + 4y + 2z &= 28 \quad (1, 6, -1) \\ 4x + 4y + 6z &= 22 \end{aligned}$$

7

$$\begin{aligned} 5x + 7y + z &= 35 \\ 9x + 5y + 2z &= 45 \quad (-20, 5, 100) \\ 5x + 5y + z &= 25 \end{aligned}$$

8

$$\begin{aligned} 2x + 10y + 2z &= 20 \\ 10x + 3y + 3z &= 30 \quad (0, 0, 10) \\ 4x + 10y + 4z &= 40 \end{aligned}$$

9

$$\begin{aligned} 4x + 7y + 4z &= 28 \\ 6x + 4y + 2z &= 22 \quad (-1, 24, -34) \\ 2x + 4y + 2z &= 26 \end{aligned}$$

10

$$\begin{aligned} 2x + 4y + 2z &= 34 \\ 3x + 6y + 2z &= 38 \quad (-182, 93, 13) \\ 3x + 5y + 9z &= 36 \end{aligned}$$