Matrices

Cramer's Rules

1

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

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

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

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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:_____

Cramer's Rules

1

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

$8x + 4y + 4z = 32$ (12, 33, -49)

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

2

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

$4x + 3y + 7z = 40$ (3, 0, 4)

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

3

$6x + y + 4z = 26$

$8x + 3y + 5z = 40$ (-90, 30, 134)

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

4

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

$2x + 6y + 7z = 28$ (-1, 5, 0)

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

5

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

$7x + 5y + 2z = 35$ (-3, 8, 8)

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

6

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

$6x + 4y + 2z = 28$ (1, 6, -1)

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

7

$5x + 7y + z = 35$

$9x + 5y + 2z = 45$ (-20, 5, 100)

$5x + 5y + z = 25$

8

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

$10x + 3y + 3z = 30$ (0, 0, 10)

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

9

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

$6x + 4y + 2z = 22$ (-1, 24, -34)

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

10

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

$3x + 6y + 2z = 38$ (-182, 93, 13)

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