Student Name: _____ Score:

Systems of equations – Any method: 3 variables

Solve the following equations:

$-12x + 13y + z = -23$
$13x + 12y - 2z = -19$
$-6x + 8y - 3z = 17$

$8x - 9y - 7z = 18$
$-9x + 10y + 8z = -20$
$6x + 9y - 11z = 12$

$7x + 6y - 9z = 22$
$8x + 4y - 7z = 15$
$11x - 6y + 8z = -7$

$2x + 4y - 7z = 19$
$3x + 2y + 5z = 21$
$x - 3y + 7z = 9$

$13x - 14y - 15z = 25$
$-12x + 13y + 15z = -22$
$11x - 7y - 14z = 15$

$-6x + 7y + 5z = 13$
$5x - 7y + 6z = 15$
$4x - 3y + 5z = 23$

$5x + 4y + 3z = 15$
$4x + 5y + 7z = -13$
$-3x + 4y - 2z = 18$

$14x - 11y - 5z = 19$
$7x + 6y + 9z = 21$
$13x - 6y + 8z = 5$

$13x - 11y + 12z = -4$
$-10x + 11y - 13z = 12$
$11x - 10y + 12z = -5$

$2x + y + 5z = 20$
$-4x + 2y - 7z = 3$
$x - y + 3z = 2$

Student Name: _____ **Score:**

Answers

x = –1
y = –2
z = –9

x = 6
y = 1
z = 3

x = 1
y = 7
z = 3

x = 10
y = –2
z = –1

x = 2
y = –1
z = 1

x = 5
y = 4
z = 3

x = 4
y = 4
z = –7

x = 3
y = 3
z = –2

x = 3
y = 5
z = 1

x = –6
y = 7
z = 5