**Systems of equations – Any method: 3 variables**

Solve the following equations.

$11x - 12y + 14z = 23$
$9x + 12y + 7z = 20$
$10x + 15y - 8z = -24$

$12x - 9y + 8z = 6$
$-14x + 9y + 4z = 2$
$-12x + 15y + 8z = 10$

$-4x - 3y + 2z = 6$
$4x + 3y - 4z = 3$
$6x + 5y - 2z = -17$

$4x - 7y + 5z = -12$
$-5x + 7y + 10z = 23$
$x + 14y - 10z = -21$

$9x + 8y - 7z = -3$
$6x - 4y + 7z = 12$
$-9x - 10y + 8z = 9$

$14x + 12y - 9z = 5$
$10x - 12y - 15z = -1$
$-14x + 6y + 9z = 4$

$x + 3y - 5z = -10$
$2x - 6y + 5z = 23$
$2x + 3y + 10z = 20$

$8x + 13y - 7z = -13$
$12x + 7y - 10z = 5$
$-8x - 9y + 7z = 5$

$10x + 6y - 9z = 21$
$15x - 4y + 9z = -24$
$-10x + 3y - 4z = 20$

$13x - 15y + 9z = 25$
$15x - 10y - 9z = -7$
$-13x + 5y + 3z = -5$