Solving Linear Systems in Three Variables II

Determine the number of solutions for each.

	(2x-6y+4z=3)		$\left(-4x+2y+2z=-2\right)$
1. <	-3x+9y-6z=-3	2. <	2x - y - z = 1
	5x - 15y + 10z = 5		x+y+z=2

Write a system of equations and solve.

3. At the arcade Sami won 2 blue tickets, 1 yellow ticket and 3 red tickets for 1500 total points. Jamal won 1 blue ticket, 2 yellow tickets, and 2 red tickets for 1225 total points. Yvonne won 2 blue tickets, 3 yellow tickets, and 1 red ticket for 1200 total points Write and solve a system of equations to determine the point value of each type of ticket.

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