Algebra 2 **UNIT 3: Learning Target 1D** Name: _____

I can solve systems of linear equations using matrices.

1) $8x + 2y = -18$
$6x + 9y = 9$

2) $-9x - 7y = -14$
$8x + 4y = 8$

3) $-5x + 2y = -15$
$3x - 3y = 9$

4) $9x - 4y = -11$
$7x - 6y = -23$

5) $2a + 3b - 5c = -22$
$-10a + 3b + 4c = -1$
$4a - 3b + 3c = 14$

6) $-6r - 2s + 2t = 10$
$6r + 2s - 4t = -14$
$-6r + s + 4t = -4$

7) $-4a + 4b - 3c = 24$
$3a + 6b - 3c = 18$
$-4a - b + 3c = 4$

8) $6r - 5s + 2t = -26$
$4r - 5s + 6t = 4$
$-5r + 5s - 5t = 5$

9) $4x - 3y + z = 2$
$-4x - y = -25$
$-4x + 4y - z = 3$

10) $-4x - 4y - 4z = 4$
$4x + 4y - 2z = -28$
$-4x - 5y - 3z = 14$

11) $-2x + 7z = -6$
$-3x - 6y - 2z = 9$
$x + 6y - 5z = -15$

12) $2s - 2t = -22$
$2r - 4s - 3t = 8$
$-2r + 3s + 5t = 9$

13) $-2a - 2b - 4c = -4$
$-2a + b + c = -10$
$2a - 3b - 4c = 13$

14) $4x - 5y + 4z = 13$
$3x + 5y - 4z = -13$
$-3x - 5y + 6z = 7$