

SOLVING SYSTEM OF EQUATIONS

§ **Example 1:** Solve the given system of equations.

$$x_1 - 2x_2 + x_3 = 0 \quad \text{----(1)}$$

$$2x_2 - 8x_3 = 8 \quad \text{----(2)}$$

$$-4x_1 + 5x_2 + 9x_3 = -9 \quad \text{----(3)}$$