

$$x + y + z = 6$$

จากสมการ $x - y + z = 3$

$$x + y - z = 0$$

จะได้
$$\left[\begin{array}{ccc|c} _ & _ & _ & _ \\ _ & _ & _ & _ \\ _ & _ & _ & _ \end{array} \right]$$

$$\left[\begin{array}{ccc|c} 1 & 1 & 1 & 6 \\ & & & \\ & & & \end{array} \right] \begin{array}{l} R_1 - R_2 \\ R_1 - R_3 \end{array}$$

$$\left[\begin{array}{ccc|c} -2 & 0 & -2 & -9 \\ 0 & 2 & 0 & 3 \\ 0 & 0 & 2 & 6 \end{array} \right] _ - _$$

$$\left[\begin{array}{ccc|c} 0 & 2 & 0 & 3 \\ 0 & 0 & 2 & 6 \end{array} \right] R_1 + R_3$$

$$\left[\begin{array}{ccc|c} 0 & 0 & 0 & -3/2 \\ 0 & & 0 & 3/2 \\ 0 & 0 & & 3 \end{array} \right] \frac{R_1}{2}, \frac{R_2}{2}, \frac{R_3}{2}$$

$$\therefore x = _, y = _, z = _$$