9.(n)
$$\begin{pmatrix} -40 & 16 & 9 & | & 1 \\ 13 & -5 & -3 & | & -2 \\ 5 & -2 & -1 & | & -1 \end{pmatrix} \quad R_3 \to \tfrac{1}{5}R_3$$

$$\begin{pmatrix} -40 & 16 & 9 & | & 1 \\ 13 & -5 & -3 & | & -2 \\ 1 & -\tfrac{2}{5} & -\tfrac{1}{5} & | & -\tfrac{1}{5} \end{pmatrix} \quad R_1 \leftrightarrow R_3$$

$$\begin{pmatrix} ① & -\tfrac{2}{5} & -\tfrac{1}{5} & | & -\tfrac{1}{5} \\ 13 & -5 & -3 & | & -2 \\ -40 & 16 & 9 & | & 1 \end{pmatrix} \quad \begin{matrix} R_2 \to R_2 - 13R_1 \\ R_3 \to R_3 + 40R_1 \end{matrix}$$

$$\begin{pmatrix} 1 & -\tfrac{2}{5} & -\tfrac{1}{5} & | & -\tfrac{1}{5} \\ 0 & ⑤{\tfrac{1}{5}} & -\tfrac{2}{5} & | & \tfrac{3}{5} \\ 0 & 0 & 1 & | & -7 \end{pmatrix} \quad R_2 \to 5R_2$$

$$\begin{pmatrix} 1 & -\tfrac{2}{5} & -\tfrac{1}{5} & | & -\tfrac{1}{5} \\ 0 & ① & -2 & | & 3 \\ 0 & 0 & 1 & | & -7 \end{pmatrix} \quad R_1 \to R_1 + \tfrac{2}{5}R_2$$

$$\begin{pmatrix} 1 & 0 & -1 & | & 1 \\ 0 & 1 & -2 & | & 3 \\ 0 & 0 & ① & | & -7 \end{pmatrix} \quad \begin{matrix} R_1 \to R_1 + R_3 \\ R_2 \to R_2 + 2R_3 \end{matrix}$$

$$\begin{pmatrix} 1 & 0 & 0 & | & -6 \\ 0 & 1 & 0 & | & -11 \\ 0 & 0 & 1 & | & -7 \end{pmatrix} \qquad \begin{matrix} x = -6 \\ y = -11 \\ z = -7 \end{matrix} \quad \text{or} \quad \boxed{(-6, -11, -7)}$$