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$$2x_1 + x_2 + x_3 = 0$$

$$2x_1 - x_2 + 9x_3 = 6$$

$$2x_1 + 2x_2 - x_3 = 1$$

I.	2	1	1	0	
II.	2	-1	9	6	(-I)
III.	2	2	-1	1	(-I)
	2	1	1	0	
	0	-2	8	6	←
	0	1	-2	1	(+ $\frac{1}{2}$ II)
	2	1	1	0	
	0	-2	8	6	
	0	0	2	4	

$$\begin{aligned} 2x_1 + x_2 + x_3 &= 0 \\ -2x_2 + 8x_3 &= 6 \\ 2x_3 &= 4 \end{aligned}$$

$$2x_3 = 4 \Leftrightarrow x_3 = \underline{\underline{2}}$$

$$-2x_2 + 8 \cdot 2 = 6 \Leftrightarrow x_2 = \frac{6-16}{-2} \Leftrightarrow x_2 = \underline{\underline{5}}$$

$$2x_1 + 5 + 2 = 0 \Leftrightarrow x_1 = \underline{\underline{-\frac{7}{2}}}$$