

$$3x + 2y - z = 8 \quad (1)$$

$$2x \quad \quad \quad + z = 1 \quad (2)$$

$$y - z = 3 \quad (3)$$

$$(1) + (2) \Rightarrow 5x + 2y = 9 \quad (4)$$

$$(1) - (3) \Rightarrow 3x + 3y = 5 \quad (5)$$

$$3(4) - 2(5) \Rightarrow 9x = 37$$

$$x = \underline{\underline{37/9}}$$

$$2y = 9 - 5x \Rightarrow y = \underline{\underline{-52/9}}$$

$$z = 3 - y \Rightarrow z = \underline{\underline{79/9}}$$