$$\therefore y = \frac{\begin{vmatrix} 6 & 47 & 9 \\ 4 & -12 & -6 \\ -9 & -267 & -90 \end{vmatrix}}{A}$$

$$= \frac{6(1080 - 1602) - 47(-360 - 54) + 9(-1068 - 108)}{2871}$$

$$= \frac{5742}{2871}$$

$$= 2$$

$$\therefore z = \frac{\begin{vmatrix} 6 & 7 & 47 \\ 4 & 1 & -12 \\ -9 & 6 & -267 \end{vmatrix}}{|A|}$$

$$= \frac{6(-267 + 72) - 7(-1068 - 108) + 47(24 + 9)}{2871}$$

$$= \frac{8613}{2871}$$

$$= 3$$

$$\therefore \quad x = 1.012$$
$$y = 2$$
$$z = 3$$
$$\Bigg\} \quad \underline{Ans}$$