

$$5x + 3y + 4z = 7$$

$$2x + y + 5z = 1$$

$$x + 4y + 3z = 9$$

$$5x + 3y + 4z = 7 \tag{1}$$

$$2x + y + 5z = 1 \tag{2}$$

$$x + 4y + 3z = 9 \tag{3}$$

Here, Given that,

$$4x^2 + 8x + 2 = 0 \tag{4}$$

$$\Rightarrow x = \frac{-8 \pm \sqrt{8^2 - 4 * 4 * 2}}{2 * 4}$$

$$\Rightarrow x = \frac{-8 \pm \sqrt{32}}{8}$$

$$\Rightarrow x \approx -0.293, -13.657$$