

24. In the solution of the linear system

$$\begin{cases} 4x + 5y + z = 1 \\ 2x + 3y = 2 \\ x + y + z = 3 \end{cases}$$

the value of y is:

- (a) 6 (b) 7 (c) 8 (d) 9 (e) 10

25. The Borrachín restaurant serves only Chianti wine to its customers. The amount of Chianti wine sold daily by the Borrachín restaurant is normally distributed with $\mu = 200$ bottles and $\sigma = 20$ bottles. What is the smallest number of bottles of Chianti which the Borrachín's owner should have on hand at the start of the day, in order to be 99.9% sure that he will not run out of wine before the end of the day?

- (a) 408 (b) 510 (c) 225 (d) 262 (e) 275