

70 24. Solve the system

$$\begin{aligned} x + y + z &= a \\ x - 2y - 3z &= b \\ -x + y + z &= c \end{aligned}$$

The value of  $z$  is

- (1)  $\frac{a + 2b + 3c}{2}$       (3)  $\frac{3a + 2b + 5c}{2}$   
 (2)  $\frac{-a - 2b + 3c}{2}$       (4)  $\frac{-a - 2b - 3c}{2}$

25. Which of the graphs in Fig. 39 shows the curves of the system

$$\begin{aligned} y &= x^2 - 2x \\ x - y &= 2 \end{aligned}$$

- (1) (a)    (2) (b)    (3) (c)    (4) (d)

26. The graphs in Fig. 39 show that a system of equations consisting of a quadratic equation and a linear equation can never have more than \_\_\_\_\_ solutions.

- (1) Zero    (2) One    (3) Two    (4) Three

END OF EXAM

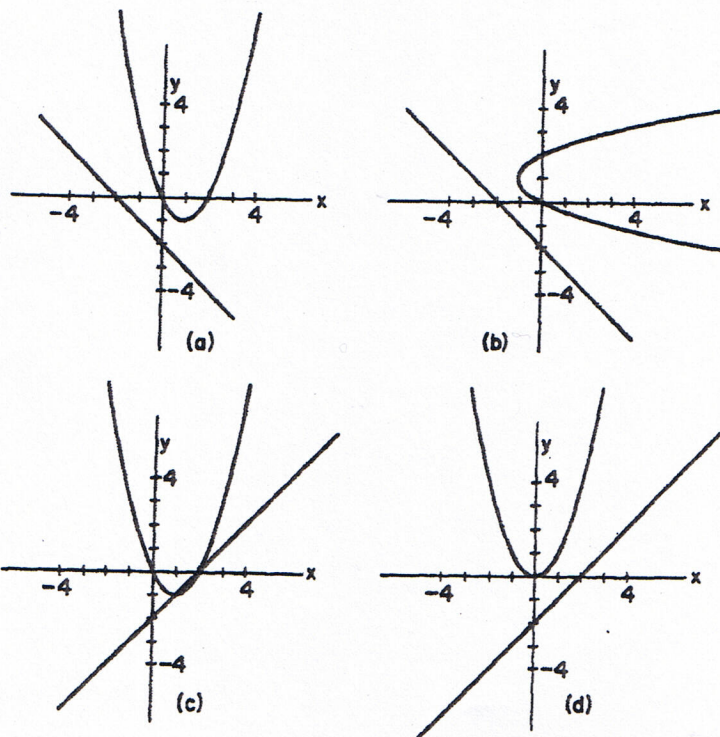


Fig. 39