

**1-mark questions**

1. What is the value of  $x$  in the equation  $2x = 6$ ?
2. Solve for  $y$ :  $y + 3 = 7$
3. What is the solution to the equation  $x - 2 = 5$ ?
4. If  $3x = 9$ , what is the value of  $x$ ?
5. Solve for  $z$ :  $\frac{z}{2} = 4$

**2-mark questions**

6. Solve the equation  $2x + 5 = 11$ .
7. Find the value of  $y$ :  $4y - 3 = 17$ .
8. Solve for  $x$ :  $\frac{x}{3} + 2 = 5$ .
9. If  $2x - 4 = 8$ , what is the value of  $x$ ?
10. Solve the equation  $x + 2 = 9$ .
11. Find the solution to the equation  $3x - 2 = 10$ .
12. Solve for  $y$ :  $2y + 2 = 12$ .

**3-mark questions**

13. Solve the equation  $2(x + 3) = 16$ .
14. Find the value of  $x$ :  $3(x - 2) = 15$ .
15. Convert statement into equation and solve
  - a. "Five more than a number is 11."
  - b. "A number decreased by 3 is 7."
  - c. "Twice a number is 18."
  - d. "A number divided by 4 is 6."
  - e. "Seven less than a number is 2."