Section A (10 marks)

1. **Solve the following pair of linear equations by the elimination method:**
    - **2x + 3y = 7**
    - **3x + 2y = 8**
2. **Solve the following pair of linear equations by the substitution method:**
    - **x + y = 14**
    - **x - y = 4**
3. **Solve the following pair of linear equations by the cross-multiplication method:**
    - **3x + 4y = 10**
    - **2x - 2y = 2**
4. **Find the value of k for which the following pair of linear equations has no solution:**
    - **3x + 2y = 5**
    - **2x + ky = 1**
5. **Draw the graph of the following linear equation:**
    - **2x + 3y = 6**

Section B (10 marks)

6. **The sum of the digits of a two-digit number is 9. The number obtained by reversing the digits exceeds the original number by 27. Find the number.**

7. **The length of a rectangle is 5 cm more than its breadth. If the perimeter of the rectangle is 46 cm, find its length and breadth.**

8. **The sum of the ages of a father and his son is 45 years. Five years ago, the father's age was four times the age of his son. Find their present ages.**

9. **A fraction becomes 1/3 when 1 is subtracted from the numerator and it becomes 1/4 when 8 is added to its denominator. Find the fraction.**
10. **Solve the following pair of linear equations graphically:**

- **2x - y = 1**
- **x + y = 8**