Q1. Write each of the following statements as an equation:

   a. Twice the number subtracted from 19 is 11

   b. 3 less than 4 times a number is 17

   c. 6 times a number is 5 more than the number.

   d.

Q2. Solve the following equation by trial-and –error method

   a) $\frac{1}{2}x + 7 = 11$

   b) $X - 7 = 10$

   c) $2x - 3 = 9$

Q3. Verify by substitution that: the root of $3 + 2x = 9$ is $x = 3$

Q4. Solve each of the following equations and verify the answer in each case:

   i. $5x - 3 = x + 17$

   ii. $\frac{3x}{15} = 12$

   iii. $\frac{x-3}{5} - 2 = \frac{2x}{5}$

   iv. $3(x + 2) - 2(x - 1) = 7$

Q5. Mona's father is thrice as old as Mona. After 12 years, his age will be twice that of his daughter. Find their present ages.

Q6. Find two numbers such that one of them exceeds the other by 9 and their sum is 81.

Q7. The length of a rectangular field is twice its breadth. If the perimeter of the field is 228 meters, find the dimensions of the field.

Q8. A man is thrice as old as his son. Five years ago the man was four times as old as his son. Find their present ages.

Q9. After 16 years Fatima will be three as old as she is now. Find her present age.