1. Check whether the linear equation $3x+5=11$ is true for $x=2$.

2. Form a linear equation from the given statement: 'When 5 is added to twice a number, it gives 11.

3. If $x=a$, then which of the following is not always true for an integer k.

(a) $\frac{x}{k}=\frac{a}{k}$ (b) $x+k=a+k$

4. Solve the following linear equations:

$$x+\frac{3}{2}=2x$$

5. Verify that $x = 2$ is the solution of the equation $4.4x-3.8=5.$

6. Solve: $\frac{3x}{4}-\frac{2x+5}{3}=\frac{5}{2}$

7. The angles of a triangle are in the ratio 2 : 3 : 4. Find the angles of the triangle.

8. The breadth of a rectangular garden is $\frac{2}{3}$ of its length. If its perimeter is $40m$, find its dimensions.

9. Solve for x :

$$\frac{7x+14}{3}-\frac{17-3x}{5}=6x-\frac{4x+2}{3}-5$$

10. The sum of a two-digit number and the number obtained by reversing its digits is 121. Find the number if it's unit place digit is 5.