SIMPLE EQUATIONS

1. Solve by transposition and verify.

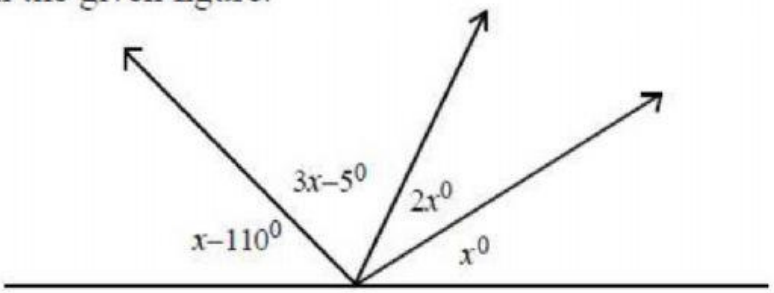
(i) $3 + y = 5$ (ii) $2x - 1 = 8$ (iii) $2x = 6$

(iv) $\frac{P}{5} = 2$ (v) $2x - 1 = 3x + 7$ (vi) $2m = 4m + 6$

(vii) $3y - 1 = 2y - 3$ (viii) $2(x - 2) = 16$ (ix) $2(y + 3) = 3(y + 2)$

(x) $\frac{x-1}{2} = \frac{2x-3}{3}$. (xi) $15 - 4x = 2(3x + 1)$ (xii) $\frac{x}{4} + \frac{48-x}{6} = 9$

1. The sum of 3 consecutive numbers is 36. Find them.
2. The number of boys in a 2nd class is 7 more than the number of girls. Total strength of the class is 49. Find the number of boys and the number girls.
3. A number is tripled and 25 is subtracted from it to get 56. Find the number.
4. The perimeter of a rectangle in 96m. Its length is double its breadth. Find its length and breadth.
5. After 15 years, Seetha's age will be 4 times her present age. Find her present age.
6. In a purse there are Rs.10 & Rs.50 notes and it's value is R.250. The number of notes of Rs.50 is 7 more than that of Rs.10. Find the denominations.
7. Find the angles in the given figure.



(**Note:** The sum of all angles formed at a point on a streight line is 180^0)

8. The sum of two numbers is 65. one of them is 7 less than the other. Find the numbers.
9. The perimeter of a square is 96m. Find the side.
10. Frame an equation to the given figure.