

LINEAR EQUATIONS
IN ONE VARIABLE

HOMEWORK #1

1) Solve the following equations:

a) $\frac{3x}{4} - \frac{7}{4} = 5x + 12$ b) $5x - 9 = 8$

c) $\frac{x}{2} + \frac{x}{3} + \frac{x}{4} = 13$

2) If length of a rectangle is 10 cm more than its breadth. And its perimeter is 40 cm. Then find Breadth of the Rectangle.

3) If sum of three consecutive multiples of 7 is 84. Then find all three numbers.

4) The digits of a two-digit number differ by 3. If digits are interchanged and the resulting number is added to the original number, we get 121. Find the original number.