Transposition

1. **Solve the following equation by transposition method.**

   A. $\dfrac{5x + 4}{2} = 27$

   B. $3x + \dfrac{x - 5}{4} = 7$

   C. $3 + 5 (4m - 6) = 24$

   D. $5 (3 - 8x) - 20 (2x - 9) = 45$

   E. $15 (x - 3) - 3 (x - 5) + 5 (x + 6) = 0$

2. **Find the value of these:-**

   A. Compute the value of k, if $\dfrac{4}{15} k - \dfrac{9}{25} k = 8 \dfrac{1}{5}$

   B. Find the value of x from the equation $\dfrac{5x}{16} + \dfrac{4x}{24} = \dfrac{7x}{4} + \dfrac{28}{32}$ and also verify that LHS = RHS.

   C. If m + 9 = 20, then find the value of 9m − 80.

   D. Find the value of x for which the expression (x - 11) and (3x + 1) become equal.