# Example 3.52

Solve 3x-4y=10 and 4x+3y=5 by the method of cross

### Solution

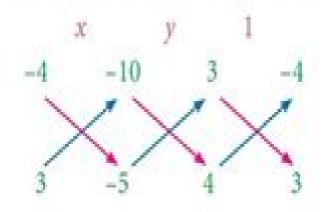
multiplication.

The given system of equations are

$$3x-4y=10$$
  $\Rightarrow 3x-4y-10=0$  .....(1)

$$4x + 3y = 5$$
  $\Rightarrow$   $4x + 3y - 5 = 0$  .....(2)

For the cross multiplication method, we write the co-efficients as



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