

- The distance between skew lines can easily be found by using the formula
- The equation of plane in symmetric form is similar to the equation of a line in 2D geometry
- You must remember that the coefficients of  $x, y, z$  in the equation of a plane are the direction ratios of its normal
- Similarly the denominators of  $x, y, z$  in the equation of a line are the direction ratios of the line.
- Using this can help you convert symmetric form into vector form and vice versa
- To find the equation of a plane, we need a point and the direction ratios. Usually in a question only one of them will be given and to find the other parameter, we would have to use the information given in the question.