

Equation of Parallel and Perpendicular lines to a given Line.

(1) Equation of a line which is parallel to $ax + by + c = 0$ is $ax + by + \lambda = 0$

(2) Equation of a line which is perpendicular to $ax + by + c = 0$ is $bx - ay + \lambda = 0$

The value of λ in both cases is obtained with the help of additional information given in the problem.