## General equation of Lines through the Intersection of Two given

 Lines.If equation of two lines $P=a_{1} x+b_{1} y+c_{1}=0$ and $Q=a_{2} x+b_{2} y+c_{2}=0$, then the equation of the lines passing through the point of intersection of these lines is $P+\lambda Q=0$ or $a_{1} x+b_{1} y+c+$ $\lambda\left(a_{2} x+b_{2} y+c_{2}\right)=0$; Value of $\lambda$ is obtained with the help of the additional information given in the problem.

