MATRICES

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Contents

1 Problem

Q.Find the equation of the line parallel to the line 3x-4y+2=0 and passing through the point (-2,3).

2 Solution

Given equation is 3x-4y+2=0
the line parallel to given equation is
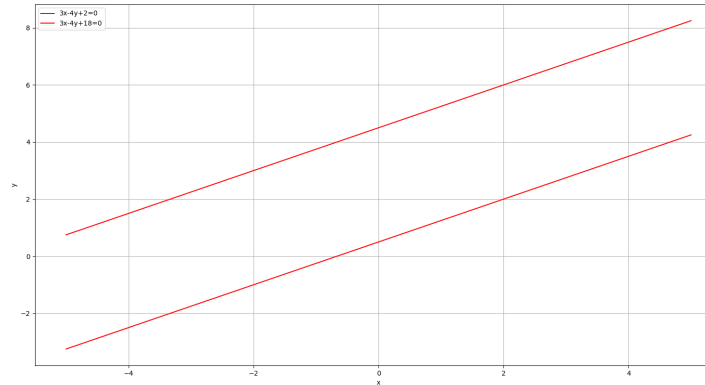3x-4y+k=0
the parallel line passing through
point(-2,3)
3(-2)-4(3)+k=0
-6-12+k=0
k=18
therefore,the equation parallel to the given equation and passing through the point(-2,3) is 3x-4y+18=0

3 Plot

4 Software

We can get the parallel equation of given equation and the plot of two equtions by executing the following code:

https://github.com/Gowt−hami/fwc−1−module1/blob/main/par.py