Linear Equation In Two Variables

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This is Problem-4(iv) from Exercise 3.2

4 (iv) 2x–2y–2=0 , 4x–4y–5=0
Solution:
Given Data: 2x–2y–2=0 , 4x-4y–5=0

This can also be written as:

$$\mathbf{AX = B} \tag{1}$$

Where, A= $\begin{pmatrix} 1 & -2 \\ 3 & -4 \end{pmatrix}$ X= $\begin{pmatrix} x \\ y \end{pmatrix}$ B = $\begin{pmatrix} 2 \\ 5 \end{pmatrix}$