

1. Encontrar dos matrices  $A$  y  $B$  que satisfagan:

$$2A - 3B = \begin{pmatrix} -2 & -3 & -5 \\ 8 & -4 & 6 \end{pmatrix} \quad \text{y} \quad 5A + 2B = \begin{pmatrix} 9 & 2 & 11 \\ 10 & -5 & -4 \end{pmatrix}.$$

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2. Encontrar dos matrices  $A$  y  $B$  que satisfagan:

$$A \begin{pmatrix} 5 & 7 \\ 6 & 8 \end{pmatrix} = \begin{pmatrix} 9 & 9 \\ 9 & 9 \\ 4 & 2 \end{pmatrix} \quad ; \quad \begin{pmatrix} 5 & 7 \\ 6 & 8 \end{pmatrix} B + 5 \begin{pmatrix} 2 & -1 & -3 \\ 4 & 0 & 12 \end{pmatrix} = \begin{pmatrix} -3 & 10 & -14 \\ 6 & 18 & 58 \end{pmatrix}$$

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