

Assignment 1

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Download all python codes from

<https://github.com/V-Gopireddy/EE3900/blob/main/Assignment1/codes/Assignment-1.py>

and latex-tikz codes from

<https://github.com/V-gopireddy/EE3900/blob/main/Assignment1/Assignment-1.tex>

1 MATRIX Q2.4(II)

Let $\mathbf{A} = \begin{pmatrix} 2 & 4 \\ 3 & 2 \end{pmatrix}$, $\mathbf{B} = \begin{pmatrix} 1 & 3 \\ -2 & 5 \end{pmatrix}$. Find $\mathbf{A} - \mathbf{B}$

2 SOLUTION

$$\mathbf{A} - \mathbf{B} = \mathbf{A} + -\mathbf{B} \quad (2.0.1)$$

$$= \begin{pmatrix} 2 & 4 \\ 3 & 2 \end{pmatrix} + \begin{pmatrix} -1 & -3 \\ 2 & -5 \end{pmatrix} \quad (2.0.2)$$

$$= \begin{pmatrix} 2-1 & 4-3 \\ 3+2 & 2-5 \end{pmatrix} \quad (2.0.3)$$

$$= \begin{pmatrix} 1 & 1 \\ 5 & -3 \end{pmatrix} \quad (2.0.4)$$