**Beltran, Fionah Irish**
**III - AAPDEV**

**Discrete Structure**
**11/04/2025**

# MATRIX OPERATION

Let $A = \begin{matrix} 2 & -3 \\ 0 & 5 \\ 7 & -\frac{1}{2} \end{matrix}$ $B = \begin{matrix} 1 & 0 \\ -3 & 1 \\ 2 & 2 \end{matrix}$ $D = \begin{matrix} 6 & 0 & -6 \\ 8 & 1 & 9 \end{matrix}$

Answer:

$$A + B = \begin{matrix} (2+1) & (-3+0) \\ (0-3) & (5+1) \\ (7+2) & (-\frac{1}{2}+2) \end{matrix} = \begin{matrix} 3 & -3 \\ -3 & 6 \\ 9 & 3/2 \end{matrix}$$

A + D = not possible to compute since A has a dimension of 3x2 while D has 2x3
B + D = not also possible to compute since B has a dimension of 3x2 while D has 2x3