# MATLAB 2 – Team

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| **Course** | **ENGR 13300** | **Semester** | */eg. Fall 2024/* |
| **Assignment Name** | */eg. HW3 EX3 Team #2/* | **Section** | */eg. LC1/* |
| **Student 1 Name** |  | **Student 3 Name** |  |
| **Student 1 Purdue login** |  | **Student 3 Purdue login** |  |
| **Student 2 Name** |  | **Student 4 Name** |  |
| **Student 2 Purdue login** |  | **Student 4 Purdue login** |  |
| **List collaborators if any (Name, Purdue login)** |  | | |

## Task #1 Reflection

## Task #2 Part A-a

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| --- | --- | --- |
| **Equation** | **MATLAB Result** | **Explanation** |
| Ans\_A = Aarray >= Barray |  |  |
| Ans\_B = Aarray .\* Barray ~= 1 |  |  |
| Ans\_C = Barray < (Aarray – Ans\_B) <= (Ans\_B < 1) \* 3 |  |  |
| Ans\_D = Barray > Carray |  |  |
| Ans\_E = [Barray; Cvector] == Carray |  |  |

## Task #2 Part A-b

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| --- | --- | --- |
| **Equation** | **MATLAB Result** | **Explanation** |
| Ans\_F = any(Aarray) + any(Barray) |  |  |
| Ans\_G = all(Aarray) + all(Barray) |  |  |
| Ans\_H = all(Carray > 1) |  |  |
| Ans\_I = all(any(Barray < -1))+any(all(Darray)) |  |  |
| Ans\_J = find(Barray).^(find(Carray > 5)) |  |  |
| Ans\_K = find(any(Darray == 1)) |  |  |

## Task #2 Part B-a

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| **Equation** | **MATLAB Result** | **Explanation** |
| Calc1 = Arowvector + Arowvector |  |  |
| Calc2 = Arowvector + Browvector |  |  |
| Calc3 = Arowvector + Ascalar |  |  |
| Calc4 = Arowvector - Arowvector |  |  |
| Calc5 = Arowvector - Crowvector |  |  |
| Calc6 = Acolvector + Bcolvector |  |  |
| Calc7 = Arowvector + Bcolvector |  |  |

## Task #2 Part B-b

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| **Equation** | **MATLAB Result** | **Explanation** |
| Calc8 = Arowvector \* Browvector |  |  |
| Calc9 = Arowvector .\* Browvector |  |  |
| Calc10 = Arowvector \* Ascalar |  |  |
| Calc11 = Arowvector .\* Ascalar |  |  |
| Calc12 = Arowvector ./ Browvector |  |  |
| Calc13 = Arowvector ^ Ascalar |  |  |
| Calc14 = Arowvector .^ Ascalar |  |  |