**Matrix Cheat Sheet**

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| **Operation** | **Algebra** | **MATLAB** |
| **Matrix Definition** |  |  |
| **Matrix Equality** |  |  |
| **Matrix Addition** |  |  |
| **Matrix/vector multiplication** |  |  |
| **Matrix Product (sizes)** |  |  |
| **Matrix Determinant** |  |  |
| **System of equations represented as a matrix** |  |  |
| **Linear equation solution via matrix** |  |  |
| **2x2 matrix inverse** |  | **Symbolic** |
| **Square matrix inverse** |  |  |
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* Might want to mention differences for square/non-square matrices for the inverses/solutions.