Gaussian Elimination and the Reduced Row Echelon Form

1. **Today:**
   (a) Warm-up
   (b) 1.5 Gaussian Elimination and the Reduced Row Echelon Form (Understand the mechanics of elimination and the interpretation of RREF.)
   (c) Python 1
2. **Where is today's material used?**
   (a) Solving systems of equations represented by matrices (Economics, physics, business, ...)
3. **Next time:**
   (a) 1.6 Homogeneous systems and 1.9 Stochastic matrices
4. **Warm-Up**

   Quickly compute

$$\begin{bmatrix} 0 & 1 & 0 \\ 1 & 0 & 0 \\ 0 & 0 & 1 \end{bmatrix} \begin{bmatrix} 3 & -2 & 1 & 4 \\ 2 & 1 & 6 & 2 \\ -3 & 4 & 0 & -1 \end{bmatrix}.$$