Time limit: 15 minutes.
No calculators or other aids.
You may retake one check at any office hours, once per day.

Reduce the following matrix to Reduced Row Echelon Form.

\[
\begin{pmatrix}
1 & 0 & -9 & 8 & 0 \\
-1 & 0 & 0 & 1 & -6 \\
0 & 0 & 18 & -18 & 9
\end{pmatrix}
\]
Answer:

\[
\begin{pmatrix}
1 & 0 & 0 & -1 & 0 \\
0 & 0 & 1 & -1 & 0 \\
0 & 0 & 0 & 0 & 1
\end{pmatrix}
\]