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:

$$\begin{pmatrix} 1 & 0 & 0 & -1 & 0 \\ 0 & 0 & 1 & -1 & 0 \\ 0 & 0 & 0 & 0 & 1 \end{pmatrix}$$