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.

$$
\begin{pmatrix}
-2 & -1 & 24 & 18 & -9 \\
-6 & -3 & 54 & 36 & -21 \\
-8 & -4 & 66 & 45 & -27
\end{pmatrix}
$$

Answer:

$$\begin{pmatrix} 1 & \frac{1}{2} & 0 & 0 & \frac{3}{2} \\ 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & -\frac{1}{3} \end{pmatrix}$$