

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.

$$\begin{pmatrix} 0 & 0 & 0 & 0 & 3 \\ 1 & -1 & 3 & 9 & -6 \\ 1 & -1 & 6 & 18 & 3 \end{pmatrix}$$

Answer:

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