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.

$$\begin{pmatrix} 4 & -4 & 4 & 1 & -4 \\ -4 & 4 & -2 & -1 & 3 \\ 0 & 0 & 2 & 1 & -3 \end{pmatrix}$$

Answer:

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