

Time limit: 15 minutes.

No calculators or other aids.

You may retake one check at any office hours, once per day.

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Reduce the following matrix to Reduced Row Echelon Form.

$$\begin{pmatrix} 2 & -4 & 0 & -6 & -6 \\ 2 & -4 & 0 & -12 & -12 \\ 0 & 0 & 2 & 6 & 3 \end{pmatrix}$$

Answer:

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