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.

(0)	0	0	0	$\begin{pmatrix} -9\\ 0\\ 9 \end{pmatrix}$
0	0	3	-2	0
$\sqrt{3}$	3	-3	0	9 /

Answer:

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