How to reduce the example from class to REF: (not RREF yet)

$$\begin{bmatrix} 0 & 1 & -1 & 3 & 4 & | & 33 \\ 2 & 1 & 7 & 3 & -1 & | & 22 \\ -2 & 0 & -8 & 0 & -1 & | & -31 \\ 4 & -1 & 17 & -3 & 7 & | & 92 \end{bmatrix}$$
 Swop, $R_1 \leftrightarrow R_2$
To get that 2 as the first pivot.

first-column entries. $R_3+R_1 \longrightarrow R_2$ Ry-2R,-Ry

use the pivot "1" in sow ? to eliminate all nonzino entries below it. $R_3 - R_2 \longrightarrow R_3$ R4+3.R2 -> R4

use the pivot "-6" in row 3 to concell the "ZI" belowit. $R_4 + \frac{2}{5}R_3 \longrightarrow R_4$

and we obtain the REF matrix from the handout in class. How to reduce the example from class from REF to reduced REF (RREF):

sidelinz	(2)	1.	7	3	-1	22
	0		-1	3	4	33
scale by 6	0	0	0	0	(-6)	-42
	0	0	0	0		

Turn the non-1 pivots to I by scaling nows: $\frac{1}{2}R_1 \longrightarrow R_1$ -tR2 -> R2

from the handout.