$$R = \begin{cases} 1 & 2 & 3 & 2 \\ 3 & 0 & 1 & 8 \\ 2 & -2 & -1 & 6 \end{cases}$$

$$Reduced in the Row eachelone form
$$R_2 - 3R_1 , R_3 - 2R_1$$

$$R_2 - 3R_1 , R_3 - 2R_1$$

$$R_3 - 6 - 8 2$$

$$R_4 + R_3$$

$$R_4 - 2R_2$$

$$R_1 - 2R_2$$

$$R_1 - 2R_2$$

$$R_1 - 2R_2$$

$$R_1 = \begin{pmatrix} 1 & 0 & \frac{1}{3} & \frac{1}{3} \\ 0 & 0 & 0 \end{pmatrix}$$

$$R_1 - 2R_2$$

$$R_1 - 2R_2$$

$$R_1 = \begin{pmatrix} 1 & 0 & \frac{1}{3} & \frac{1}{3} \\ 0 & 0 & 0 \end{pmatrix}$$

$$R_2 - \frac{1}{3} + \frac{1}$$$$