$$\left[\begin{array}{ccc|c} 1 & -2 & 1 & 1 \\ 2 & -6 & 6 & 4 \\ -3 & 5 & -1 & -2 \end{array}\right] \begin{matrix} \\ \leftarrow -2 \\ \leftarrow 3 \end{matrix}$$

$$\left[\begin{array}{ccc|c} 1 & -2 & 1 & 1 \\ 0 & -10 & 4 & 2 \\ 0 & -1 & 2 & 1 \end{array}\right] \begin{matrix} \\ \cdot(-1/10) \\ -1/10 \end{matrix}$$

$$\left[\begin{array}{ccc|c} 1 & -2 & 1 & 1 \\ 0 & 1 & -2/5 & -1/5 \\ 0 & 0 & 8/5 & 4/5 \end{array}\right]$$

$$2 + 4(-1/10) = 2 - \frac{4}{10} = \frac{20}{10} - \frac{4}{10} = \frac{16}{10} = \frac{8}{5}$$

$$1 + 2(-1/10) = 1 - \frac{2}{10} = 1 - \frac{1}{5} = \frac{4}{5}$$