

$$\mathbf{T} = \begin{pmatrix} 1 & 0 & 0 & 0 & -3 \\ 0 & 1 & 0 & 0 & -5 \\ 0 & 0 & 1 & 5/3 & -8/3 \\ 0 & 0 & 0 & 0 & 0 \end{pmatrix}$$