Find adjoint of matrix $A = \begin{pmatrix} 2 & 5 & 6 \\ 1 & 3 & 1 \\ 2 & 2 & 3 \end{pmatrix}$.

$A = \begin{pmatrix} 2 & 5 & 6 \\ 1 & 3 & 1 \\ 2 & 2 & 3 \end{pmatrix}$
$\begin{cases} C_{11} = 7; \ C_{12} = -1; \ C_{13} = -4 \ ; \ C_{21} = -3 \ ; \ C_{22} = -6 \ ; \ C_{23} = 6 \ ; \\ \\ C_{31} = -13 \ ; \ C_{32} = 4; \ C_{33} = 1 \end{cases}$

$\Rightarrow C = \begin{pmatrix} 7 & -1 & -4 \\ -3 & -6 & 6 \\ -13 & 4 & 1 \end{pmatrix}$

$\Rightarrow adj(A) = C^T = \begin{pmatrix} 7 & -3 & -13 \\ -1 & -6 & 4 \\ -4 & 6 & 1 \end{pmatrix}$