

Dir
rix.

$$A = \begin{bmatrix} 1 & 2 & 3 \\ 2 & 5 & 3 \\ 1 & 0 & 8 \end{bmatrix}$$

$$\begin{array}{c|c|c|c|c|c|c|c|c|c|} 1 & 5 & 3 & -2 & 2 & 3 & +3 & 2 & 5 & \\ \hline 0 & 8 & -2 & 1 & 8 & +3 & 1 & 0 & & \end{array}$$

$$40 - 0 - 2(16 - 3) + 3(-5)$$

$$\begin{array}{c|c|c|c|c|c|c|c|c|c|} 2 & 5 & 2 & -2 & 2 & -2 & 5 & & & \\ \hline 1 & 4 & -2 & 8 & 4 & +2 & 8 & 1 & & \end{array}$$

$$36 - 2(-24) + 2(-2 - 40)$$

$$= 36 + 48 - 84$$

$$84 - 84 = 0$$

$$0 = 0$$