

Q2

b

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

$$a = 5 \times 1 - 2 \times -2 = 5 - -4 = 9 \times 2 = 18$$

$$b = 2 \times 1 - -1 \times -2 = 2 - -2 = 4 \times 3 = 12$$

$$c = 2 \times 2 - 5 \times -1 = 4 - -5 = 9 \times -1 = -9$$

$$18 - 12 + -9 = -3$$

$$A = -3$$