問題 **2.4.**

(1) $AB = \begin{pmatrix} 5 & 6 & 0 \\ 5 & -2 & 5 \\ 1 & 4 & -1 \end{pmatrix}$　　(2)(5) ${}^t(AB) = {}^tB{}^tA = \begin{pmatrix} 5 & 5 & 1 \\ 6 & -2 & 4 \\ 0 & 5 & -1 \end{pmatrix}$

(3) ${}^tA = \begin{pmatrix} 1 & 2 & 0 \\ 2 & -1 & 1 \\ 3 & 2 & 2 \end{pmatrix}$, ${}^tB = \begin{pmatrix} 3 & 1 & 0 \\ -1 & 2 & 1 \\ 2 & -1 & 0 \end{pmatrix}$　　(4) ${}^tA{}^tB = \begin{pmatrix} 1 & 5 & 2 \\ 9 & -1 & -1 \\ 11 & 5 & 2 \end{pmatrix}$

問題 **2.5.** $a = -3,\ b = 2,\ c = 2$

問題 **2.6.** $a = 0,\ b = 0,\ c = -2$