

จงเติมคำตอบลงในช่องว่าง

1. จงหา $\det(A)$ $\det(B)$ A^t และ B^t

$$A = \begin{bmatrix} -2 & 1 \\ 4 & 2 \end{bmatrix} = \underline{\hspace{2cm}} - \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$A^{-1} = \frac{1}{\underline{\hspace{2cm}} - \underline{\hspace{2cm}}} \begin{bmatrix} \underline{\hspace{1cm}} & \underline{\hspace{1cm}} \\ \underline{\hspace{1cm}} & \underline{\hspace{1cm}} \end{bmatrix} = \begin{bmatrix} \underline{\hspace{1cm}} & \underline{\hspace{1cm}} \\ \underline{\hspace{1cm}} & \underline{\hspace{1cm}} \end{bmatrix}$$

$$B = \begin{bmatrix} 5 & -1 \\ 5 & 3 \end{bmatrix} = \underline{\hspace{2cm}} - \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$B^{-1} = \frac{1}{\underline{\hspace{2cm}} - \underline{\hspace{2cm}}} \begin{bmatrix} \underline{\hspace{1cm}} & \underline{\hspace{1cm}} \\ \underline{\hspace{1cm}} & \underline{\hspace{1cm}} \end{bmatrix} = \begin{bmatrix} \underline{\hspace{1cm}} & \underline{\hspace{1cm}} \\ \underline{\hspace{1cm}} & \underline{\hspace{1cm}} \end{bmatrix}$$

2. จงหา $\det(A)$ และ A^t

$$A = \begin{bmatrix} 3 & 4 & 5 \\ 6 & 8 & 7 \\ 2 & 2 & 1 \end{bmatrix} \begin{array}{cc} \begin{bmatrix} \square & \square \end{bmatrix} \\ \begin{bmatrix} \square & \square \end{bmatrix} \\ \begin{bmatrix} \square & \square \end{bmatrix} \end{array} = \underline{\hspace{1cm}} \underline{\hspace{1cm}} \underline{\hspace{1cm}} - \underline{\hspace{1cm}} \underline{\hspace{1cm}} \underline{\hspace{1cm}} = \underline{\hspace{2cm}}$$

$$A^t = \begin{bmatrix} \square & \square & \square \\ \square & \square & \square \\ \square & \square & \square \end{bmatrix}$$