$$\begin{array}{c} 18. \ \, Q = XT \ \, \left( \begin{array}{c} \frac{1}{2} \, \frac{2}{4-1} \, \\ -24 \, \frac{1}{4} \end{array} \right) \ \, X = YTD \ \, Y \\ \hline \begin{array}{c} |\lambda I - A| = |\lambda - 2 - 2 \, \\ -2 \, \lambda H - 4 \, \\ | = |\lambda - 2 - 2 \, \\ -2 \, \lambda H - 4 \, \\ | = |\lambda - 2 - 2 \, \\ -2 \, \lambda H - 4 \, \\ | = |\lambda - 2 \, \\ | = |\lambda - 2 \, \\ -2 \, \lambda H - 4 \, \\ | = |\lambda - 2 \, \\ | = |$$

$$\begin{array}{c|c}
\lambda = 5 & \text{Quad} \\
2 & 2 & |0| \\
2 & 2 & |0|
\end{array}$$

$$\begin{array}{c|c}
-1 & |0| \\
0 & |0|
\end{array}$$

$$\begin{array}{c|c}
\lambda = 1 & \text{Quad} \\
-1 & 2 & |0|
\end{array}$$

$$\begin{array}{c|c}
\lambda = 1 & \text{Quad} \\
-1 & 2 & |0|
\end{array}$$

$$\begin{array}{c|c}
\lambda = 1 & \text{Quad} \\
-1 & 2 & |0|
\end{array}$$

$$\begin{array}{c|c}
\lambda = 1 & \text{Quad} \\
-1 & 2 & |0|
\end{array}$$

$$\begin{array}{c|c}
\lambda = 1 & \text{Quad} \\
-1 & 2 & |0|
\end{array}$$

$$\begin{array}{c|c}
\lambda = 1 & \text{Quad} \\
-1 & 2 & |0|
\end{array}$$

$$\begin{array}{c|c}
\lambda = 1 & \text{Quad} \\
-1 & 2 & |0|
\end{array}$$

$$\begin{array}{c|c}
\lambda = 1 & \text{Quad} \\
-1 & 2 & |0|
\end{array}$$

$$\begin{array}{c|c}
\lambda = 1 & \text{Quad} \\
-1 & 2 & |0|
\end{array}$$

$$\begin{array}{c|c}
\lambda = 1 & \text{Quad} \\
-1 & 2 & |0|
\end{array}$$

$$X = \begin{pmatrix} \frac{1}{12} & \frac{1}{12} \\ \frac{1}{12} & -\frac{1}{12} \end{pmatrix} \times 32^{2} - 421 \times 131^{2} = X^{2} + 31^{2} = 12$$

1. 강국의 길에가 216 이고 단국의길에가 21을 인 티윈 18 이다.

80, 
$$\chi^{2}+8\chi\gamma-5\gamma^{2}=10 \Rightarrow (\chi \gamma) \underbrace{\begin{pmatrix} 1 & 4 \\ 4-5 \end{pmatrix} \begin{pmatrix} \chi \\ \gamma \end{pmatrix}}_{A}$$

$$|\lambda T-A| = |\lambda^{-1} - 4|_{-4} = |\lambda^{2}+4\lambda-5-16| = |\lambda^{2}+4\lambda-24| = (\lambda+\eta)(\lambda+3)$$

$$|\lambda = -\eta |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2} |_{-4}^{2}$$

81. 
$$-6\pi^{2}+4\pi \ln 2-3x^{2} = (\pi_{1}\pi_{2}) \left(\frac{-6}{2}\right) \left(\frac{\pi_{1}}{\pi_{2}}\right)$$

$$|\lambda I - A| = |\lambda + 6| - 2|$$

$$|-2| + 43| = |\lambda^{2} + 9\lambda + 18 - 4| = |\lambda^{2} + 9\lambda + 14|$$

$$= (\lambda + 7)(\lambda + 2) = 0 : \lambda = -9 \text{ Giv.}$$

$$|\lambda - 7| + 4x + 14|$$

$$= (\lambda + 7)(\lambda + 2) = 0 : \lambda = -9 \text{ Giv.}$$

$$|\lambda - 7| + 4x + 14|$$

$$= (\lambda + 7)(\lambda + 2) = 0 : \lambda = -9 \text{ Giv.}$$

$$|\lambda - 7| + 4x + 14|$$

$$= (\lambda + 7)(\lambda + 2) = 0 : \lambda = -9 \text{ Giv.}$$

$$|\lambda - 7| + 4x + 14|$$

$$= (\lambda + 7)(\lambda + 2) = 0 : \lambda = -9 \text{ Giv.}$$

$$|\lambda - 7| + 4x + 14|$$

$$= (\lambda + 7)(\lambda + 2) = 0 : \lambda = -9 \text{ Giv.}$$

$$|\lambda - 7| + 4x + 14|$$

$$= (\lambda + 7)(\lambda + 2) = 0 : \lambda = -9 \text{ Giv.}$$

$$|\lambda - 7| + 4x + 14|$$

$$= (\lambda + 7)(\lambda + 2) = 0 : \lambda = -9 \text{ Giv.}$$

$$|\lambda - 7| + 4x + 14|$$

$$= (\lambda + 7)(\lambda + 2) = 0 : \lambda = -9 \text{ Giv.}$$

$$|\lambda - 7| + 4x + 14|$$

$$= (\lambda + 7)(\lambda + 2) = 0 : \lambda = -9 \text{ Giv.}$$

$$|\lambda - 7| + 4x + 14|$$

$$= (\lambda + 7)(\lambda + 2) = 0 : \lambda = -9 \text{ Giv.}$$

$$|\lambda - 7| + 4x + 14|$$

$$= (\lambda + 7)(\lambda + 2) = 0 : \lambda = -9 \text{ Giv.}$$

$$|\lambda - 7| + 4x + 14|$$

$$= (\lambda + 7)(\lambda + 2) = 0 : \lambda = -9 \text{ Giv.}$$

$$|\lambda - 7| + 4x + 14|$$

$$= (\lambda + 7)(\lambda + 2) = 0 : \lambda = -9 \text{ Giv.}$$

$$|\lambda - 7| + 4x + 14|$$

$$= (\lambda + 7)(\lambda + 2) = 0 : \lambda = -9 \text{ Giv.}$$

$$|\lambda - 7| + 4x + 14|$$

$$= (\lambda + 7)(\lambda + 2) = 0 : \lambda = -9 \text{ Giv.}$$

$$|\lambda - 7| + 4x + 14|$$

$$= (\lambda + 7)(\lambda + 2) = 0 : \lambda = -9 \text{ Giv.}$$

$$|\lambda - 7| + 4x + 14|$$

$$= (\lambda + 7)(\lambda + 2) = 0 : \lambda = -9 \text{ Giv.}$$

$$|\lambda - 7| + 4x + 14|$$

$$= (\lambda + 7)(\lambda + 2) = 0 : \lambda = -9 \text{ Giv.}$$

$$|\lambda - 7| + 4x + 14|$$

$$= (\lambda + 7)(\lambda + 2) = 0 : \lambda = -9 \text{ Giv.}$$

$$|\lambda - 7| + 4x + 14|$$

$$= (\lambda + 7)(\lambda + 2) = 0 : \lambda = -9 \text{ Giv.}$$

$$|\lambda - 7| + 4x + 14|$$

$$= (\lambda + 7)(\lambda + 2) = 0 : \lambda = -9 \text{ Giv.}$$

$$|\lambda - 7| + 4x + 14|$$

$$= (\lambda + 7)(\lambda + 2) = 0 : \lambda = -9 \text{ Giv.}$$

$$|\lambda - 7| + 4x + 14|$$

$$= (\lambda + 7)(\lambda + 2) = 0 : \lambda = -9 \text{ Giv.}$$

$$|\lambda - 7| + 4x + 14|$$

$$= (\lambda + 7)(\lambda + 2) = 0 : \lambda = -9 \text{ Giv.}$$

$$|\lambda - 7| + 4x + 14|$$

$$= (\lambda + 7)(\lambda + 2) = 0 : \lambda = -9 \text{ Giv.}$$

$$|\lambda - 7| + 4x + 14|$$

$$= (\lambda + 7)(\lambda + 2) = 0 : \lambda = -9 \text{ Giv.}$$

$$|\lambda - 7| + 4x + 14|$$

$$= (\lambda + 7)(\lambda + 2) = (\lambda +$$

82. 
$$-x_1^2 + 6x_1x_2 + 9x_2^2 = (X_1, X_2) \left(\frac{1}{3}, \frac{3}{1}\right) \left(\frac{x_1}{x_2}\right)$$

$$|AI - A| = |\lambda + 1 - 3| = x^2 - 6\lambda - 1 - 9 = x^2 - 6\lambda - 16$$

$$= (\lambda - 8)(\lambda + 2) = 0 : \lambda - 8 = x = 2$$

$$0 \lambda - 8 = x = y$$

$$0 \lambda - 2 = x = y$$

$$0 \lambda - 2 = x = y$$

$$1 - 3 = x = x$$

$$1 - 3 = x$$

83.(1) 
$$3\lambda_{1}^{2} + 4\lambda_{1}\lambda_{2} - 3\lambda_{2}^{2} = (\lambda_{1} \lambda_{2}) \frac{32}{4} \frac{2}{\lambda_{2}}$$

$$|\lambda I - A| = |\lambda - 3| - 2| = |\lambda^{2} - 9| - 4| = |\lambda^{2} - 13| = 0$$

$$|\lambda = \sqrt{3}| = |\lambda - 3| = |\lambda^{2} - 9| - 4| = |\lambda^{2} - 13| = 0$$

$$|\lambda = \sqrt{3}| = |\lambda - 3| = |$$

이 으로 아 됐 것이다

성다니아한정

84, 
$$2\chi^{2} + 2\chi^{2} + 2\chi^{2} - 4\chi \chi_{2} - 4\chi_{2}\chi_{3}$$

$$= (\chi_{1} \chi_{2} \chi_{3}) \left( \frac{2}{2} - \frac{2}{2} \circ \right) \left( \frac{\chi_{1}}{\chi_{2}} \right) \left( \frac{\chi_{2}}{\chi_{3}} \right) \left( \frac$$