การหาดีเทอร์มิแนนต์ด้วยโคแฟกเตอร์

1. $A = \begin{bmatrix} 1 & 3 & 5 \\ 4 & 4 & 3 \\ 2 & 2 & 2 \end{bmatrix}$

จะได้ $\det(A) = a__C__(A) + a__C__(A) + a__C__(A)$

$\det(A) = __C__(A) + __C__(A) + __C__(A)$

$\det(A) = __(-1)^{+-}M__(A) + __(-1)^{+-}M__(A) + __(-1)^{+-}M__(A)$

$\det(A) = __(-1)^{+-}\begin{vmatrix} __ & __ \\ __ & __ \end{vmatrix} + __(-1)^{+-}\begin{vmatrix} __ & __ \\ __ & __ \end{vmatrix} + __(-1)^{+-}\begin{vmatrix} __ & __ \\ __ & __ \end{vmatrix}$

$\det(A) = __(__)(__) + __(__)(__) + __(__)(__) = _____$

$\therefore \det(A) = _____$

2. $A = \begin{bmatrix} 0 & 2 & 4 \\ 3 & 2 & 2 \\ 1 & 5 & 5 \end{bmatrix}$

จะได้ $\det(A) = a__C__(A) + a__C__(A) + a__C__(A)$

$\det(A) = __C__(A) + __C__(A) + __C__(A)$

$\det(A) = __(-1)^{+-}M__(A) + __(-1)^{+-}M__(A) + __(-1)^{+-}M__(A)$

$\det(A) = __(-1)^{+-}\begin{vmatrix} __ & __ \\ __ & __ \end{vmatrix} + __(-1)^{+-}\begin{vmatrix} __ & __ \\ __ & __ \end{vmatrix} + __(-1)^{+-}\begin{vmatrix} __ & __ \\ __ & __ \end{vmatrix}$

$\det(A) = __(__)(__) + __(__)(__) + __(__)(__) = _____$

$\therefore \det(A) = _____$

LIVEWORKSHEETS