## 2020 10819 조정현 5주차 과제

(1) 
$$1 \times 3 - 2 \times 4 = -5$$

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(2) 
$$4x|x6 + 6x(-n)x0 + 0$$

(2) 
$$4x1x6 + 6x(-n) \times 0 + 0$$

(1) 
$$2\begin{vmatrix} 1 & 2 \\ 4 & -1 \end{vmatrix} + 4\begin{vmatrix} 3 & 2 \\ 1 & -1 \end{vmatrix} + 3\begin{vmatrix} 3 & 1 \\ 1 & 4 \end{vmatrix}$$

$$= 2 \left( -|-8| + 4 \left( -3 + 2 \right) + 3 \left( 12 - 1 \right) \right)$$

$$= 1$$

$$(\lambda) 4 \begin{vmatrix} 5 & \lambda \\ 7 & 3 \end{vmatrix} - 3 \begin{vmatrix} 6 & \lambda \\ 9 & 3 \end{vmatrix} + 0 \begin{vmatrix} 6 & 5 \\ 9 & 7 \end{vmatrix}$$

= -39 +28

= - [[

= -10 -3 -16

=3(-3-10)-0+4(10-3)

 $(2) \ 2 \left| \begin{array}{c|c} 0 \ 5 \\ 1 \ 6 \end{array} \right| \ -3 \left| \begin{array}{c|c} 4 \ 5 \\ 5 \ 6 \end{array} \right| \ -4 \left| \begin{array}{c|c} 4 \ 0 \\ 5 \ 1 \end{array} \right|$ = 2(0-5) - 3(24-25) - 4(4-0)

(10-20) ← 2번째 및

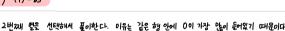
= - | 2 2 3 | | 1 2 3 | 3 -1 -2 | | 3 0 2 | | 4 -3 2 | | |

 $= - \begin{cases} 2x|x^2 + 2x(-2)x(-3) + (-1)x0x3 \end{cases}$ - 3x1x(-3) - (--)x0x(--) - 3x1x(-)

= - (4+12+9+4)

= 2 (-21) = -54

= - 29



$$= 2 \left\langle -2 - 16 - 29 + 12 - 6 + 12 \right\rangle$$
$$= 2 \left( -29 \right) = -44$$

 $= 2 \begin{cases} 1x(-1) \times 2 + 2x(-2) \times 4 + 3x(-3) \times 3 \end{cases}$ 

- 3x (-1) x4 - (-2)x (-3)x1 - 2x3x25

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[ TERM 3.2 part3 ]

(2) 
$$3(2x3-1x4)+1(-1x3+2x1)+5(-1x4+4)$$

= 6-1 = 5

[All = det(A) old [B] = det(B),

[AB] = det(AB) = det(A) x det(B) old.

= 2x3+4-6=4

(4)  $1x(2x\eta+(x2)-2(0x\eta+0x1)-1(0x2-0x2)$ 

= (6)

#5) (1) 1 (2) k (3) k (4) 1

(1)  $1x(1-0)=1$ 

#15) 279

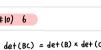
(2) k ( $|x|-0$ ) = k

(4)  $|x| = x^2 + x$ 

(3) 
$$|(kx|-0)| = k$$
  
(4)  $|(x(|x|-0)| = 1)$ 









$$de+(B) = \begin{bmatrix} 1 & 0 & 0 \\ 2 & 1 & 0 \\ 3 & 4 & 1 \end{bmatrix}$$



= -20

(1) 
$$2(3x|+|x|)-1(0x|+|x4)+2(0x|-3x4)$$
  
= 2x4 -4-24

$$\# |2\rangle (1) -20 (2) 5 (3)$$
  
(1)  $2(3x|+|x|) - 1(0x)$ 

(1) 
$$2(3x|+|x|)-1(0x)$$
  
=  $2x4-4-24$ 

$$det(c) = \begin{bmatrix} 1 & 4 & 5 \\ 0 & 2 & 6 \\ 0 & 0 & 3 \end{bmatrix}$$
 012+ \$\frac{6}{19}\$,

$$= -9 \begin{vmatrix} -3 & 4 \\ 6 & \eta \end{vmatrix} - 15 \begin{vmatrix} 3 & 4 \\ 5 & \eta \end{vmatrix} - 21 \begin{vmatrix} 3 & -3 \\ 5 & 6 \end{vmatrix} - 14 \begin{vmatrix} -3 & 4 \\ 6 & \eta \end{vmatrix} + 35 \begin{vmatrix} -2 & 4 \\ 10 & \eta \end{vmatrix}$$

$$+ 49 \begin{vmatrix} -2 & -3 \\ 10 & 6 \end{vmatrix} + 9 \begin{vmatrix} 3 & 4 \\ 5 & \eta \end{vmatrix} + 12 \begin{vmatrix} -2 & 4 \\ 10 & \eta \end{vmatrix} - 28 \begin{vmatrix} -2 & 3 \\ 10 & 5 \end{vmatrix} - 12 \begin{vmatrix} 3 & -3 \\ 5 & 6 \end{vmatrix}$$

$$- 18 \begin{vmatrix} -2 & -3 \\ -3 & -30 \end{vmatrix} - 30 \begin{vmatrix} -2 & 3 \\ 10 & 5 \end{vmatrix} = 12 \begin{vmatrix} -2 & 3 \\ 10 & 5 \end{vmatrix} + 35 \begin{vmatrix} -2 & 4 \\ 10 & 1 \end{vmatrix}$$

= 209

+ (-1)<sup>1+4</sup> x6 2 -3 5













