

(2) 
$$A = /0$$
 2 3  $B = /1$  1 0  $2$  4 0  $2$  4 0  $3$  -5 -3  $3$   $3$  -5 -3  $3$   $3$  -5 -3  $3$ 

$$\begin{array}{c} \boxed{3} & A = \begin{pmatrix} -2 & 1 \\ 7 & -4 \end{pmatrix} & B = \begin{pmatrix} 5 & 3 \\ -8 & -5 \end{pmatrix} \end{array}$$

$$(AB)^{\frac{1}{2}} B^{\frac{1}{2}} A^{\frac{1}{2}} = \frac{1}{1B!} \begin{pmatrix} -5 & -3 \end{pmatrix} \frac{1}{1A!} \begin{pmatrix} -4 & -1 \end{pmatrix} = \frac{1}{1B!} \begin{pmatrix} -4 & 5 \end{pmatrix} \begin{pmatrix} -4 & -2 \end{pmatrix} = \frac{1}{1B!} \begin{pmatrix} -4 & 5 \end{pmatrix} \begin{pmatrix} -4 & -2 \end{pmatrix} = \frac{1}{1B!} \begin{pmatrix} -4 & 5 \end{pmatrix} \begin{pmatrix} -4 & -2 \end{pmatrix} = \frac{1}{1B!} \begin{pmatrix} -4 & 5 \end{pmatrix} \begin{pmatrix} -4 & -2 \end{pmatrix} = \frac{1}{1B!} \begin{pmatrix} -4 & 5 \end{pmatrix} \begin{pmatrix} -4 & -2 \end{pmatrix} = \frac{1}{1B!} \begin{pmatrix} -4 & 5 \end{pmatrix} = \frac{1}{1B!} \begin{pmatrix} -4 & 5 \end{pmatrix} \begin{pmatrix} -4 & 5 \end{pmatrix}$$

$$= \begin{pmatrix} 5 & 3 \\ -8 - 5 \end{pmatrix} \begin{pmatrix} -4 - 1 \\ -7 - 2 \end{pmatrix} = \begin{pmatrix} -41 - 11 \\ 67 & 18 \end{pmatrix}$$

$$= \begin{pmatrix} 5 & 3 \\ -8 - 5 \end{pmatrix} \begin{pmatrix} -43 & -11 \\ -17 & -2 \end{pmatrix} = \begin{pmatrix} -41 & -11 \\ 67 & 18 \end{pmatrix}$$

$$= \begin{pmatrix} 67 & 18 \\ 67 & 18 \end{pmatrix}$$

$$A = \begin{pmatrix} -2 & 2 & 4 \\ -2 & 0 & 3 \end{pmatrix} \quad B = \begin{pmatrix} 1 & -1 \\ -2 & 3 \\ -3 & 2u \end{pmatrix}$$

A wyu-em <=> (A) +0

$$AB = \begin{pmatrix} -2 & 2 & 4 \\ -2 & 0 & 3 \end{pmatrix} \begin{pmatrix} -1 & -1 \\ -2 & 3 \end{pmatrix} = \begin{pmatrix} -18 & -8 \\ -11 - 20 & -10 + 30 \end{pmatrix}$$

|AB| +0 => -18(-10+3a)+8(-11-Za)= 180-54a-88-16a+0 700782 => a + 46 35