

$$AC \begin{pmatrix} 2 & -5 & 3 \\ -8 & 0 & 9 \\ 3 & 0 & 2 \end{pmatrix} \begin{pmatrix} 12.5 \\ -3 & 2 \\ 2 & 5 \end{pmatrix}$$

$$24 + 15 + 6 \quad 10 - 10 + 15$$

$$-66 + 0 + 10 \quad -25 + 0 + 25$$

$$36 + 0 + 4 \quad 15 + 0 + 10$$

$$= \begin{pmatrix} 45 & 15 \\ -56 & 0 \\ 34 & 35 \end{pmatrix}$$

CA = Can't do it

$$|A| \quad 2(0+0) + 5(-10+15) + 3(0+0)$$

$$= 30$$

$$|B| \quad -9(18+(-4)) - 8(6+0) + 0(0+(-4))$$

$$= -70 - 48 = -118$$

$$A+B \begin{pmatrix} -3 & 3 & 3 \\ -3 & 6 & 7 \\ 3 & -2 & 5 \end{pmatrix}$$

AB+D

= can't add