$$\begin{bmatrix} 1 & 2 & 4 \\ -3 & 1 & 5 \end{bmatrix}_{2\times3} \times \begin{bmatrix} 1 & 2 & 3 \\ 2 & 4 & 5 \\ 3 & -2 & -1 \end{bmatrix}_{3\times3} = \begin{bmatrix} \underset{1,1}{17} & \underset{1,2}{2} & \underset{1,3}{9} \\ \underset{2,1}{14} & \underset{2,2}{-12} & \underset{2,3}{-9} \end{bmatrix}$$

$1+4+12 \quad 2+8+-8 \quad 3+10+-4$

EXAMPLE

INSIDE NUMBERS MUST MATCH UP FOR MULTIPLICATION OF MATRICIES TO WORK; IF inside numbers do not match MULTIPLICATION CANNOT BE DONE!!

PMNTS @ END ORDINARY ANNUITY

PMNTS @ BEGINNING ANNUITY DUE

How much do u need in an account to withdraw $350. @ the beginning of each month for 15 yrs if the account pays 7.2%?

Present Value - Annuity Due

↑

Beginning

If u put $350 into an account paying 7.2% @ the end of each month for 15 yrs., how much will u have?

Future Value Ordinary Annuity

↑

End