7. 
$$5A = 5\begin{bmatrix} 1 & -2 & 5 \\ 4 & 4 & 8 \\ -3 & 1 & 0 \end{bmatrix} = \begin{bmatrix} 5 & -10 & 25 \\ 20 & 20 & 40 \\ -15 & 5 & 0 \end{bmatrix}$$

$$0.75 \cdot B = 0.25 \begin{bmatrix} 5 & 2 & 0 \\ -5 & 3 & -4 \end{bmatrix} = \begin{bmatrix} 1.25 & 0.5 & 0 \\ -1.25 & 0.05 & -1 \end{bmatrix}$$

$$5A + 0.25B = \begin{bmatrix} 5 & -10 & 25 \\ 20 & 20 & 40 \\ -15 & 5 & 0 \end{bmatrix} + \begin{bmatrix} 1.25 & 0.5 & 0 \\ -1.25 & 0.75 & -1 \\ -1 & 0.5 & -1 \end{bmatrix} = \begin{bmatrix} 6.25 & -9.5 & 25 \\ 18.75 & 20.76 & 39 \\ -16 & 5.05 & -1 \end{bmatrix}$$

$$5A + 0.25B + C = \begin{bmatrix} -6.25 & -9.5 & 25 \\ 18.75 & 20.75 & 39 \\ -16 & 5.5 & -1 \end{bmatrix} + \begin{bmatrix} 6 & -2 \\ 2 & -4 \\ 0 & -1 \end{bmatrix}$$
  $\frac{892+329}{250+3240}$   $\frac{25143}{250+3240}$ 

11.  

$$6C+8D = 6\begin{bmatrix} 6 & -2 \\ 2 & -4 \\ 0 & -1 \end{bmatrix} + 8\begin{bmatrix} -3 & 1 \\ 2 & 0 \\ -1 & 2 \end{bmatrix} = \begin{bmatrix} 36-24 & -12+8 \\ 12+16 & -24+0 \\ 0 & -8 & -6+16 \end{bmatrix}$$

$$= \begin{bmatrix} 12 & -4 \\ 28 & -24 \end{bmatrix}$$

$$2(3C+40) = 6C+80 = \begin{bmatrix} 12 & -4 \\ 28 & -24 \\ -8 & 10 \end{bmatrix}$$

$$0.4(-0.4) = 0.4 \begin{bmatrix} 6 & -2 \\ 20 & -4 \\ 0 & -1 \end{bmatrix} - 0.4 \begin{bmatrix} -3 & 1 \\ 2 & 0 \\ -1 & 2 \end{bmatrix} = \begin{bmatrix} 2.4 + 1.2 & -0.8 - 0.4 - 0.8 - 0.4 \\ 0.8 - 0.8 & -1.6 - 0.8 \\ 0 & +0.4 & -0.4 - 0.8 \end{bmatrix}$$

$$0.4(e=0) = 0.4(-0.40) = \begin{bmatrix} 3.6 & -1.2 \\ 0 & -1.6 \\ 0.4 & -1.2 \end{bmatrix} = \langle -1.6 \rangle$$

13.  

$$(3.5)C = 15\begin{bmatrix} 6 & -2 \\ 2 & -4 \end{bmatrix} = \begin{bmatrix} 90 & -30 \\ 15 & -60 \end{bmatrix}$$

$$3(50) = 15C = \begin{bmatrix} 90 & -30 \\ 15 & -60 \end{bmatrix}$$

$$-D \text{ for } E = -\begin{bmatrix} -3 & 1 \\ 2 & 0 \\ -1 & 2 \end{bmatrix} + 0 \cdot \begin{bmatrix} 2 & 0 \\ -4 & 3 \\ -3 & 1 \end{bmatrix} = \begin{bmatrix} 3 & -1 \\ -2 & 0 \\ 1 & -2 \end{bmatrix}$$

E-D+C+U= UE CD, F와 다리기 행가 역의 3가원가 연석은 학수 있다.

$$(u+v)-w = \begin{bmatrix} 1.2 \\ 0 \\ -2.5 \end{bmatrix} + \begin{bmatrix} 2 \\ -1 \\ 3 \end{bmatrix} - \begin{bmatrix} -4 \\ -10 \\ 8 \end{bmatrix} = \begin{bmatrix} (1.2+2)+4 \\ (0-1)+10 \\ (-2.5+3)-8 \end{bmatrix} = \begin{bmatrix} 7.2 \\ 9 \\ -7.5 \end{bmatrix}$$

$$(U + CV - W) = \begin{bmatrix} 7.2 \\ 9 \\ -7.5 \end{bmatrix}$$
 -> 말한 이 엉덩에서 엉엉을 우기 와게 위와 같다.

$$C + ou = \begin{bmatrix} 6 - 2 \\ 2 - 4 \\ 0 - 1 \end{bmatrix} + o \cdot \begin{bmatrix} -4 \\ -10 \\ 8 \end{bmatrix} = \begin{bmatrix} 32912121 \\ 32912121 \end{bmatrix}$$
 % \( \text{\$\text{\$\text{\$\text{\$\chi}\$}}} \)

$$\partial \cdot E + u - v = 0 \cdot \begin{bmatrix} 2 & 0 \\ -4 & 3 \\ -3 & 1 \end{bmatrix} + \begin{bmatrix} 1.2 \\ 0 \\ -2.5 \end{bmatrix} - \begin{bmatrix} 2 \\ -1 \\ 3 \end{bmatrix} = \frac{2761}{3} = \frac{121}{3} = \frac{2761}{3} = \frac{121}{3} = \frac{121}{3}$$

ा ०६ देखारेगा अंद यां ० ० १ १६ गर। खर २० १ भरार्थ र ० १५

3. 
$$8y + 6z = -4$$

$$-2x + 4y - 6z = 18 = 0$$

$$2x + 4y - 6z = 2$$

$$11 + 2$$

$$-2 \begin{bmatrix} 1 & 1 & -1 & 2 & 7 & -0 \\ 0 & 8 & 6 & -4 & 7 & -2 \\ -2 & 4 & -6 & 18 \end{bmatrix} - 2 \begin{bmatrix} 0 & 1 & -1 & 2 & 7 & -3 \\ 0 & 1 & 2 & 2 & -1 & -3 \\ 0 & 1 & 2 & 2 & 2 & -1 & -3 \end{bmatrix}$$

$$3 \times 3 + 9 \times 4 - 20 \quad 24 \quad 18 \quad -12 \quad \times \frac{1}{50}$$

$$= (0.056 + 000.)$$

$$-2\begin{bmatrix} 1/1 & -1/2 \\ 086 & -4 \\ -2 & 001 & -2 \end{bmatrix} - \frac{12}{2} = -2, 8y + 62 = -4, 24y - 2 = 2.$$