$$= -3 \left[\begin{bmatrix} \frac{1}{3} & 5 & 2 \\ \frac{7}{3} & 0 & \frac{1}{4} \end{bmatrix} + 2 \begin{bmatrix} \frac{6}{4} & \frac{1}{3} & \frac{3}{3} \\ \frac{7}{4} & \frac{1}{4} & \frac{2}{3} \end{bmatrix} \right]$$

$$= \begin{bmatrix} 4 & 5 \\ \frac{16}{8} & -2 \\ 8 & 9 \end{bmatrix} \begin{bmatrix} 3 & -1 & 11 \\ 0 & 2 & 1 \end{bmatrix} = \begin{bmatrix} 12 & 6 & -39 \\ 48 & -20 & 174 \\ 24 & 8 & 96 \end{bmatrix}$$

$$\left(\begin{array}{cccc}
\left(\begin{array}{cccc}
0 & -28\right)^{T} \\
\left(\begin{array}{cccc}
\frac{1}{3} & \frac{5}{2} & \frac{2}{3} \\
\frac{1}{3} & \frac{2}{3} & \frac{4}{3}
\end{array}\right) - \left(\begin{array}{cccc}
\frac{12}{2} & \frac{1}{3} & \frac{6}{3} \\
\frac{1}{3} & \frac{1}{3} & \frac{4}{3} & \frac{1}{3}
\end{array}\right)^{T}$$

HIJOH FERDERINIS;

Yettor

a)
$$Y-w = (4-6), (0+1), (-P-4)$$

= -2, (.-12
b) $6u+2v=6(-3,1/2)=(-18, 6, 12)$
 $2(4,0,-8)=(8,0,-16)$
 $u+Y=(-18,6,1/2)+(8,0,-16)$

(3)
$$0$$
) $11 \times 12^{2} + 2^{2}$

$$= \sqrt{414+4}$$

$$= \sqrt{12}$$

$$= \sqrt{12}$$

$$= \sqrt{41919+1}$$

$$= \sqrt{23}$$

U. (VXW)

- · U. (2,-6,-9) (2,0,6). (2,-6,-9)
 - (2.2) + (0. -6) + (0 -9)
 - = 9101(-59)
 - 50