ila ivon i 44170135 PM 1:30 Frank

Q1:
$$A = \begin{bmatrix} 2 & 4 \\ -1 & 3 \end{bmatrix}$$
, $B = \begin{bmatrix} -3 & 4 \\ 4 & 2 \end{bmatrix}$
Let $U = A$, $V \ge B$
 $CUV > = 2(-3) + 4(1) + -1(-1) + 3(-1)$
 $= -6 + A - A + 6 = 0$
 $1 |U|| = \sqrt{3 + 1 + 16 + 4} = \sqrt{30}$
 $|U|| = \sqrt{3 + 1 + 16 + 4} = \sqrt{30}$

$$Q_{3} = (1/1/1), N_{2} = (0,1/1)$$

$$P_{3} = (0/0), 1$$

$$P_{4} = (1/1/1)$$

$$P_{5} = (1/1/1)$$

$$P_{7} = (0/1/1) = (1/1/1)$$

$$P_{7} = (0/1/1) = (0/1/1)$$

$$P_{7} = (0/1/1) = (0/1/1)$$

$$P_{7} = (0/1/1) = (0/1/1)$$

$$\frac{2}{3}, \frac{2}{3}, \frac{2}{3}$$

$$\frac{2}{3$$

$$= \frac{4}{5} + \frac{5}{5} + \frac{5}{5} = \frac{2}{3}$$

$$= \frac{4}{5} + \frac{5}{5} + \frac{5}{5} = \frac{2}{3}$$

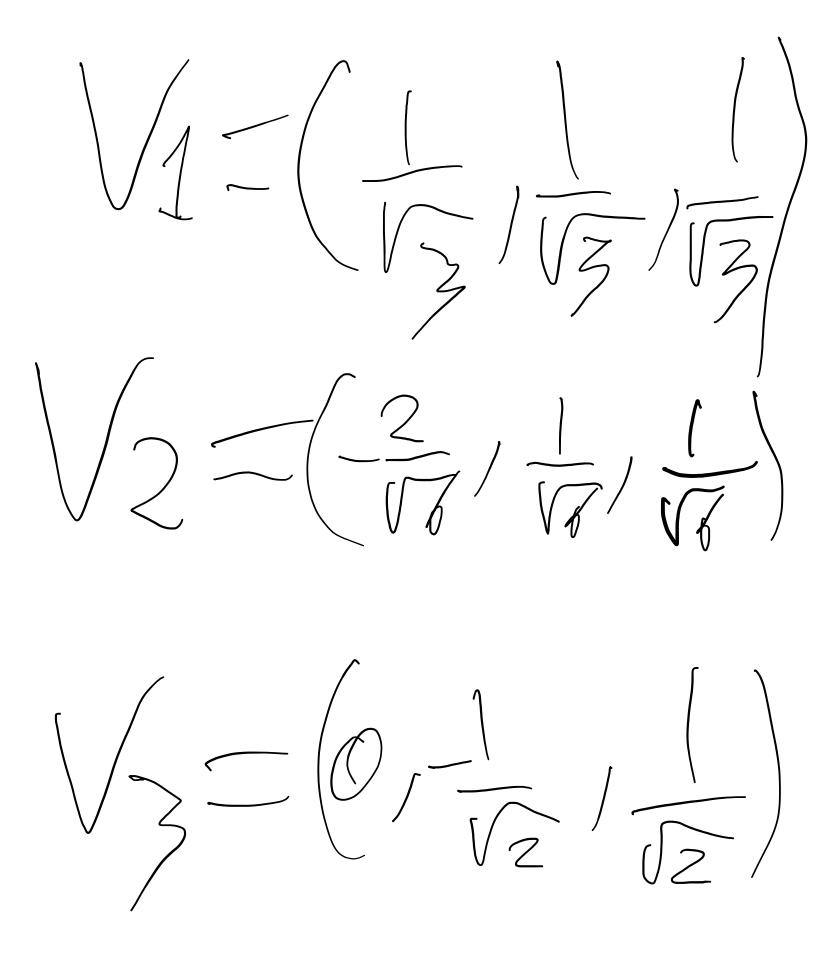
$$= \frac{1}{3} + \frac{5}{3} + \frac{5}{5} = \frac{2}{3}$$

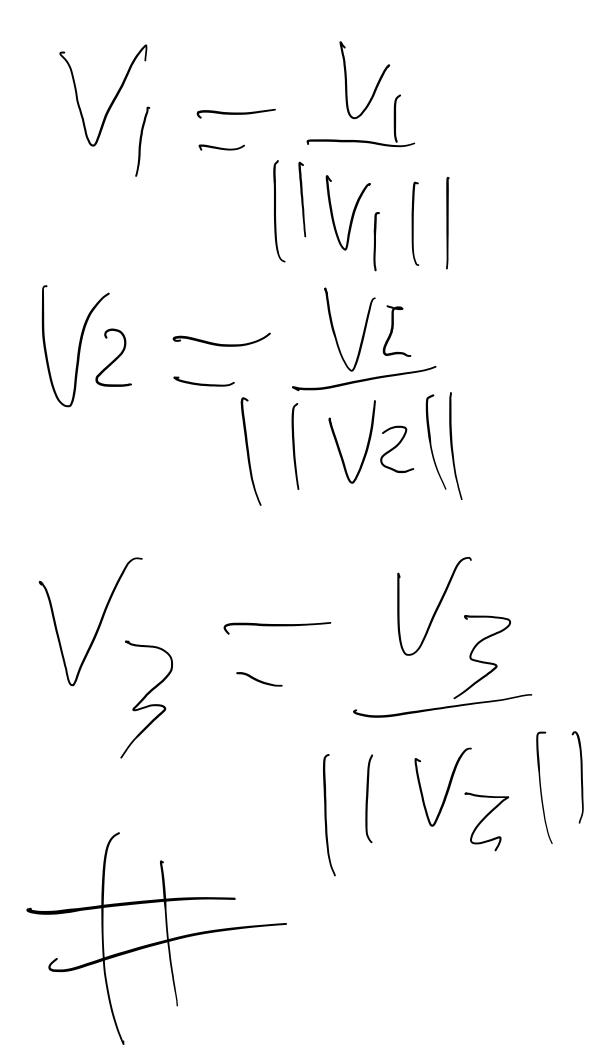
$$= \frac{1}{3} + \frac{5}{3} + \frac{5}{3} = \frac{2}{3} = \frac{2}{3}$$

$$= \frac{1}{3} + \frac{5}{3} + \frac{5}{3} = \frac{2}{3} = \frac{2}{3}$$

$$= \frac{1}{3} + \frac{1}{3} + \frac{1}{3} = \frac{2}{3} = \frac{2}{3}$$

$$\frac{-(0,0,1)-(\frac{1}{3},\frac{1}{3})}{-(\frac{1}{3},\frac{1}{3})} + (\frac{1}{3},\frac{1}{3}) + (\frac{1}{3},\frac{1}{3}) + (\frac{1}{3},\frac{1}{3}) + (\frac{1}{3},\frac{1}{3}) + (\frac{1}{3},\frac{1}{3},\frac{1}{3}) + (\frac{1}{3},\frac{1}{3},\frac{1}{3}) + (\frac{1}{3},\frac{1}{3},\frac{1}{3}) + (\frac{1}{3},\frac{1}{3},\frac{1}{3}) + (\frac{1}{3},\frac{1}{3},\frac{1}{3},\frac{1}{3}) + (\frac{1}{3},\frac{1}{3},\frac{1}{3},\frac{1}{3}) + (\frac{1}{3},\frac{1}{3},\frac{1}{3},\frac{1}{3}) + (\frac{1}{3},\frac{1}{3},\frac{1}{3},\frac{1}{3},\frac{1}{3}) + (\frac{1}{3},\frac{1}{3},\frac{1}{3},\frac{1}{3},\frac{1}{3},\frac{1}{3},\frac{1}{3},\frac{1}{3}) + (\frac{1}{3},\frac{$$





QZE 60 COUNTON example u= (g,-3/1) Q11120 $((((2+((2)))^2)^2)^2)$ 5(-3) + 5(-3) is not inner Product