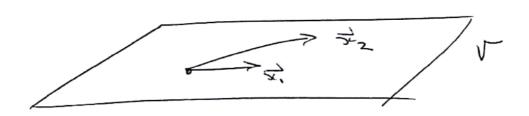
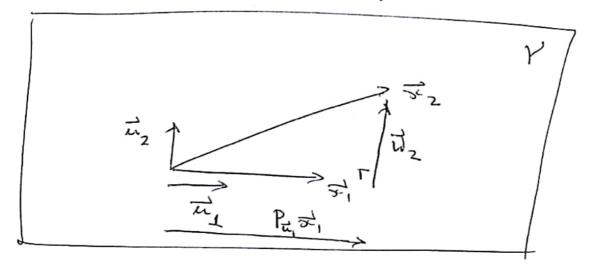


MOTIVATING EX

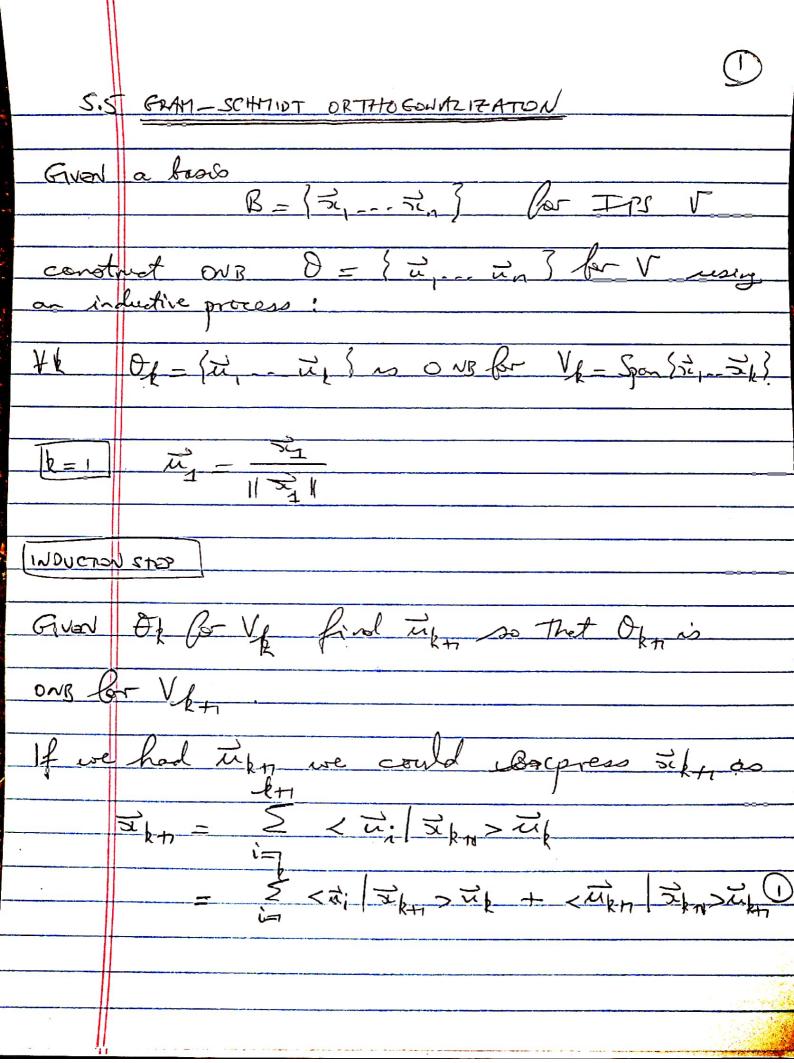


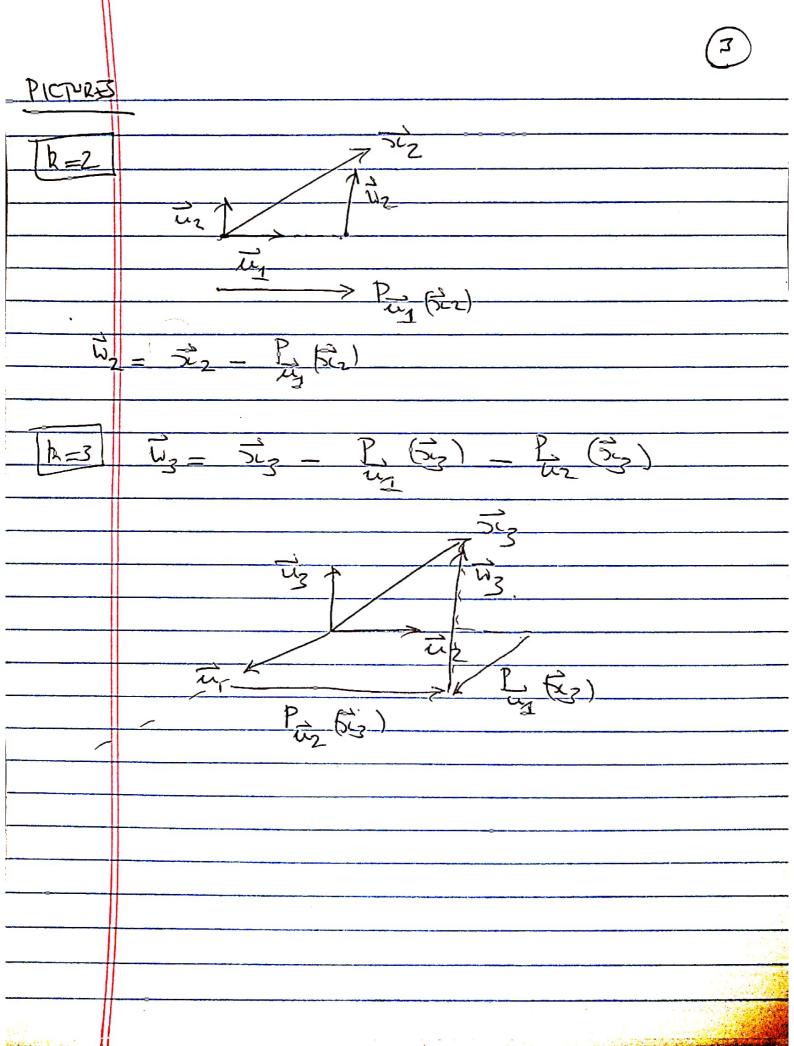
GOAL Construct ONB 0 = (2, 22) Car V.



Set 21 = 15/11

Set $\vec{u}_{2} = \vec{x}_{2} - \vec{p}_{1} \vec{x}_{2} = \vec{x}_{2} - \vec{p}_{3}, \vec{u}_{1} > \vec{u}_{1}$ CHECK $\vec{v}_{1} = \vec{v}_{2} = \vec{v}_{2} | \vec{u}_{1} > - \vec{v}_{2} | \vec{u}_{1} > \vec{v}_{2} | \vec{u}_{1} > = 0$ Set $\vec{u}_{2} = \vec{w}_{2} / (\vec{u}_{2})$





EX R ³	$\frac{3}{5\sqrt{2}} = \begin{pmatrix} 3 \\ 4 \\ 0 \end{pmatrix} \qquad \frac{3}{5\sqrt{2}} = \begin{pmatrix} 1 \\ 2 \\ 3 \end{pmatrix} \qquad \frac{3}{5\sqrt{3}} = \begin{pmatrix} 4 \\ 5 \end{pmatrix}$
	$\frac{3}{3}$
-3 L	$= \frac{5}{2} - \frac{1}{2} = \frac{5}{2} - \frac{1}{2} = \frac{5}{2} = $
UQV	$\frac{1}{\sqrt{3}} = 0$ $\frac{1}{\sqrt{3}} = 0$ $\frac{1}{\sqrt{3}} = 0$
- Will - 12 -	$= \frac{25}{-8}$ $= \frac{7}{-6}$ $= \frac{7}{5}$ $= \frac{7}{5}$
3 m3	$= \frac{3i_3 - 4i_1}{3} = \frac{3}{3} = \frac{3i_1}{48} = \frac{423}{5} = *$ $= \frac{9}{5} = \frac{423}{5} = \frac{8}{5} = *$
·W ₃	= \frac{\frac{1}{3}}{\frac{1}{3}} = \frac{1}{5}