



EXAMPLE (CONT'D FROM 4.7)

V=1R2

$$\mathcal{B} = \{ \vec{z}_1, \vec{z}_2 \} = \{ (\vec{z}), (\vec{z}) \}$$

$$\begin{pmatrix} 1 & 3 \\ 2 & 1 \end{pmatrix} = \begin{pmatrix} 1 & 1 \\ 1 & -1 \end{pmatrix} P$$

Solving:
$$P = \frac{1}{2} \left(\frac{3}{1} \right)$$

$$P = \frac{1}{5} \begin{pmatrix} 2 & -4 \\ 1 & 3 \end{pmatrix}$$



