

- a) Find $[T]_{\alpha}^{\alpha}$.
- b) Find the change of basis matrix from α to β .
- c) Find the change of basis matrix from β to α .
- d) Find $[T]_{\beta}^{\beta}$.
- e) Find $[v]_{\beta}$.
- f) Find $[T(v)]_{\beta}$.
- g) Use the result of part (f) to find $T(v)$.