

1 |  $T^m$  **def**

Supppose  $T \in \mathcal{L}(V)$  and  $m$  is a positive integer.

$$T^m = \underbrace{T \cdots T}_{m \text{ times}}$$

$$T^0 = I$$

$$T^{-m} \text{ for an invertible map } T = (T^{-1})^m$$