

## Chapter 19 Group Random Quiz.

1. What is the dimension of the set of polynomials of degree  $\leq n$  in  $\mathbb{R}[x]$  over  $\mathbb{R}$ ?
2. What does the dimension of a vector space tell us?
3. (True / False) A field is always a vector space over one of its subfields.
4. What is linear independence for a set of vectors from a vector space?