

# Geometry

## Algebra

### **The Fundamental Theorem of Algebra**

If a function  $f(x)$  is a polynomial, i.e.  $f(x) = \sum_{k=0}^n c_k x^k$  where  $c \in \mathbb{C}$  then  $\exists r_k \in \mathbb{C}$  such that  $f(r_k) = 0$

## Calculus

**The Squeeze Theorem   The Differential Mean Value Theorem   The Integral  
Mean Value Theorem**