Useful Headers

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 $\mathbb{N} \ \mathbb{Z} \ \mathbb{Q} \ \mathbb{R} \ \mathbb{C} \ \bar{n} \ \mathbb{Z}/n\mathbb{Z} \ (\mathbb{Z}/n\mathbb{Z})^{\times}$

Theorem 0.1. Every non-constant single-variable polynomial with complex coefficients has at least one complex root.

Proof. Outside the reach of this course.

Corollary 0.1.1. This is a corollary

Lemma 0.2. Likewise, a lemma

Definition 0.1. A **group** is a set and binary operation with the following properties:

Example 0.1. \mathbb{Z} under addition is a group

Remark. Remarks are useful