CH 2 Number Systems

mrevanishere

October 7, 2020

1 The Real Numbers

$\mathbb{R}$ is real numbers - on the real line - natural ordering
$\mathbb{Z}$ is integers
$\mathbb{N}$ is natural numbers (positive)
$\mathbb{Q}$ is rational numbers (all fractions), see pg14

1.1 Definition of Addition and Multiplication for Real Numbers

commutative, distributive, associative

2 Rationals and Irrationals

there is no smaller positive rational
to disprove that a number is rational show that it's fraction is in lowest terms