Numeric Types

- Integers
- Rationals
- Reals
- Complex

Exactness

- A given numeric value may be exact or inexact
- Exact numbers:
 - All integers
 - All rationals
 - Complexes that have only integer and/or rational parts
- Inexact numbers:
 - All reals
 - Complexes that have one or more real parts

Pre-Defined Type Predicates

- (number? X)
- (exact? *X*)
- (inexact? X)
- (integer? X)
- (real? X)
- (rational? X)
- (complex? X)

Pre-Defined Predicates

- (zero? X)
- (positive? X)
- (negative? X)
- (odd? *X*)
- (even? X)

Pre-Defined Comparisons

- $(= X_1 ... X_n)$
- $(< X_1 ... X_n)$
- $(<= x_1 ... x_n)$
- $(> X_1 ... X_n)$
- $(>= X_1 \dots X_n)$

Pre-Defined Arithmetic

- $(+ X_1 ... X_n)$
- $(-X_1 \dots X_n)$
- $(* X_1 \dots X_n)$
- $(/ X_1 ... X_n)$
- (quotient x y)
- (remainder X Y)
- (modulo x y)

Other Pre-Defined Operations

- (gcd X Y)
- (lcm X Y)
- (floor X)
- (ceiling X)
- $(\max X_1 \dots X_n)$
- (min $X_1 \dots X_n$)
- and many, many more