

## Lexical Analysis

Regular Pattern Matching/Replacement

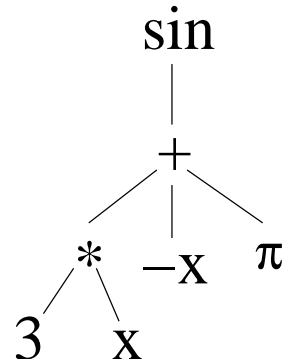
$\sin(3x-x+\pi)$



$\sin(3*x-x+\pi)$

## Syntactic Analysis

Context-free Grammar



## Semantic Analysis

Tree Transformations

