

Valid Expressions:

```
*Main> parse "3 + 4"
"7.0"
*Main> parse "8 - (5 - 2)"
"5.0"
*Main> parse "10 * 2 / 5"
"4.0"
*Main> parse "2 ** 3"
"8.0"
*Main> parse "4 * (3 + 2) % 7 - 1"
"5.0"
```

Valid Test:

```
*Main> parse "(14 + 16 - 12) * 3 / - 4 % 6 ** 2"
"22.5"
```

Invalid Expressions:

```
*Main> parse "2 * (4 + 3 - 1"
"ERROR: Unmatched Parentheses"
*Main> parse "* 5 + 2"
"ERROR: Either Missing Operands or Invalid Operator Sequence"
*Main> parse "4 / 0"
"ERROR: Invalid Operation"
*Main> parse "5 (2 + 3)"
"ERROR: Missing Operator"
*Main> parse "7 & 3"
"ERROR: Invalid Operand or Operator"
*Main> parse "(((3 + 4) - 2) + (1)"
"ERROR: Unmatched Parentheses"
*Main> parse "((5 + 2) / (3 * 0))"
"ERROR: Invalid Operation"
*Main> parse "((2 -) 1 + 3)"
"ERROR: Either Missing Operands or Invalid Operator Sequence"
*Main> parse "((4 * 2) + ( - ))"
"ERROR: Either Missing Operands or Invalid Operator Sequence"
*Main> parse "((7 * 3) ^ 2)"
"ERROR: Invalid Operand or Operator"
```

Invalid Test:

```
*Main> parse "((14 + 16 - 12) * 3 /) - 4 % 6 ** 2"
"ERROR: Either Missing Operands or Invalid Operator Sequence"
```