

CS 4223-01 Homework #4
Fall 2019

Due: October 1 at class time

Assignment

Draw a parse tree for each of the expressions below, given this grammar to define their syntax:

```
expr → expr + term
expr → expr - term
expr → term
term → term * factor
term → term / factor
term → factor
factor → ATOM
factor → ( expr )
```

1. ATOM * ATOM
2. ATOM * (ATOM / ATOM)
3. ATOM / (ATOM - ATOM) * ATOM
4. ATOM - ((ATOM + ATOM) / ATOM)