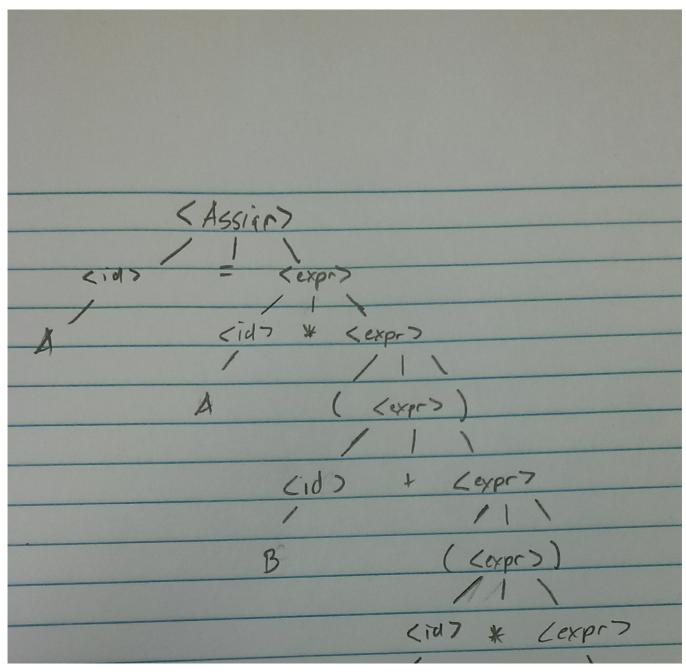
# **Problem Set:**

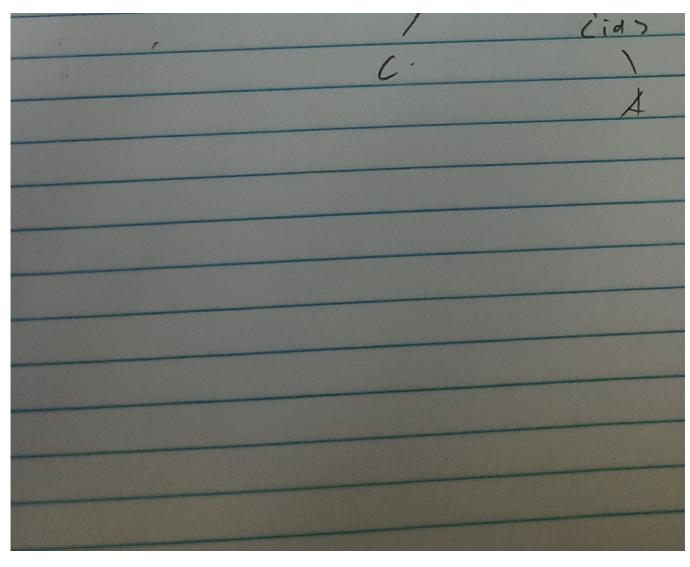
#### 2a.

```
<class_definition> ::= [public] [(abstract|final)] <name> [extends <name>] [implements <id>{, <id>}}]
<id> ::= [A-Za-z0-9_]+
```

#### 6a.

```
<assign> -> <id> = <expr>
    A = <id> * <expr>
    A = A * <expr>
    A = A * (<expr>)
    A = A * ((id) + <expr>)
    A = A * (B + (expr>))
    A = A * (B + (c * <expr))
    A = A * (B + (C * <expr))
    A = A * (B + (C * <id>))
    A = A * (B + (C * A))
```

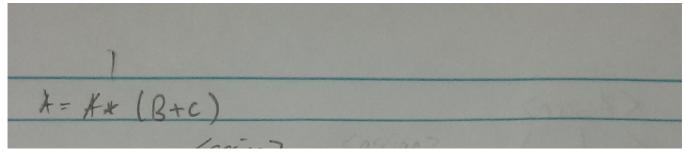




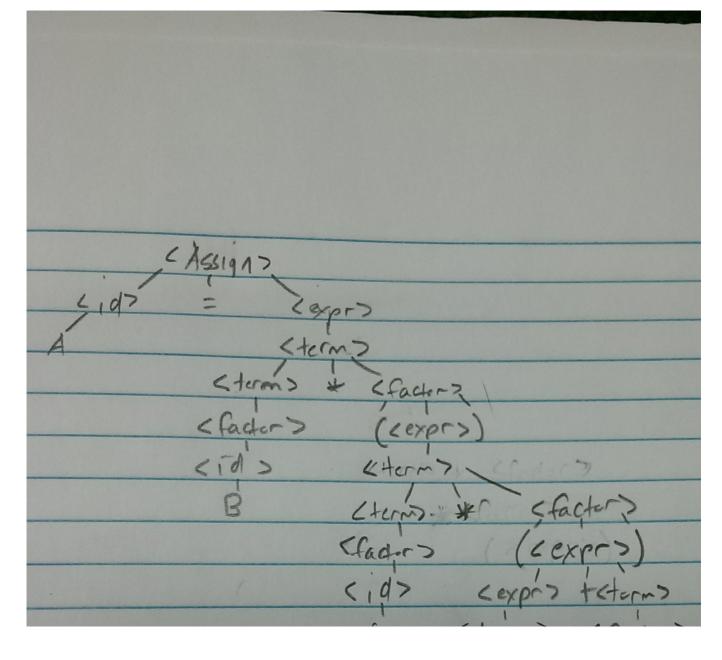
### 7c-d.

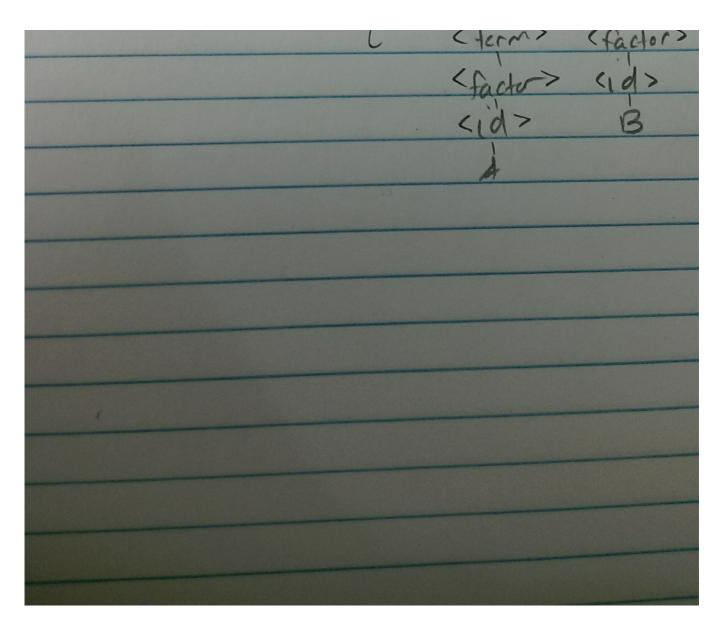
C.

```
<assign> -> <id> = <expr>
    A = <term>
    A = <term>
    A = <factor>
    A = <factor>
    A = <id> * <factor>
    A = A * <factor>
    A = A * <factor>
    A = A * (<expr>)
    A = A * (<expr>)
    A = A * (<term> + <term>)
    A = A * (<id> + <term>)
    A = A * (B + <term>)
    A = A * (B + <id>)
    A = A * (B + <idd>)
    A * (B + <id)
    A * (B + <idd>)
    A * (B + <idd>)
    A * (B + <idd>)
```



( expr) <id>> Cterm Ctom> # Efactor> (factor > (cexpr> + (term) Cexpro <id>> (tem> Chador > Lid> < Cactor> 1107





## 11c-d.

C - NO

D - YES