```
<factor> ::= id

             S(<factor>) := S(id)


<factor> ::= int

             S(<factor>) := S(int)


<factor> ::= (  <exp>   )
             S(<factor>) := S(<exp>)
             if S(<factor>) = rA then
                REGA := <factor>
```

(b)

```
procedure GETA (NODE)
   begin
      if REGA = null then
         generate [LDA    S(NODE)]
      else if S(NODE) ≠ rA then
         begin
            create a new working variable Ti
            generate [STA    Ti]
            record forward reference to Ti
            S(REGA) := Ti
            generate [LDA    S(NODE)]
         end {if ≠ rA}
      S(NODE) := rA
      REGA := NODE
   end {GETA}
```

(c)

```
LDA     SUMSQ
DTV     #100
STA     T1
LDA     MEAN
MUL     MEAN
STA     T2
LDA     T1
SUB     T2
STA     VARIANCE
```

(d)

Figure 5.19 (*cont'd*)