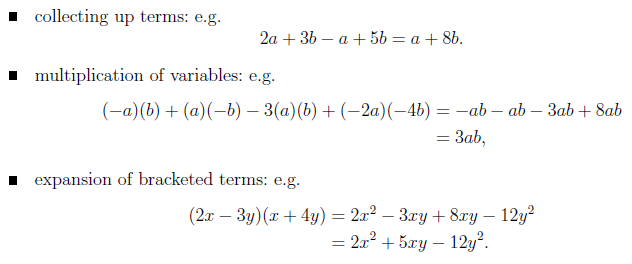
20181013b Simple algebra

cheungngo

October 13, 2018



Sample questions

### 

### Simplify()

f = yacas('-a\*b + a\*-b - 3\*a\*b + (-2\*a)\*(-4\*b)')  
PrettyForm(f)

##   
## 2 \* a \* 4 \* b - ( 2 \* a \* b + 3 \* a \* b )

f\_sim = yacas(Simplify(f)) # must add yacas or else would just add the word Simplify before the expression  
PrettyForm(f\_sim)

##   
## 3 \* a \* b

### 

### Expand()

f = yacas('(2\*x-3\*y)\*(x+4\*y)')  
PrettyForm(f)

##   
## ( 2 \* x - 3 \* y ) \* ( x + 4 \* y )

f\_expand = yacas(Expand(f))  
PrettyForm(f\_expand)

##   
## 2 2  
## 2 \* x + 5 \* y \* x - 12 \* y