Courtesy of Jordan Wang - No guarantee is expressed or implied! :)

/\*Only parentheses (all good)

3+3)+2 1

2+(3+3 7

(3+30+2 6, 8

30+3)+2 1

300+3)+2 1

2+300+3) 1, 3

\*/

/\*Parentheses and bracket

[(3+3)+2 7, 9

2+(3+3)] 1, 3

[(3+30+2] 7, 9

[30+3)+2] 2

[(300+3)+2 9, 11

[2+300]\*3+3) 9

3+3)\*[2+300] 1

(3+3\*[2+300] 5

[300+2]\*(3+3 13

\*/

/\*All three symbols

{6\*(3+2)-[2+3] 9, 15

6\*(3+2)-[2+3]} 1, 3, 9

{200+3\*[40-2]\*(2+9) 7, 14, 20

\*/