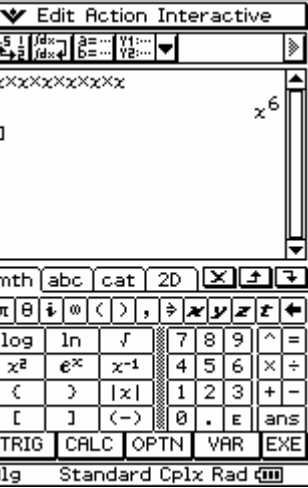


# Basic Algebra on the ClassPad 300

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## 1. Expanded form to compact form

**Multiplying**



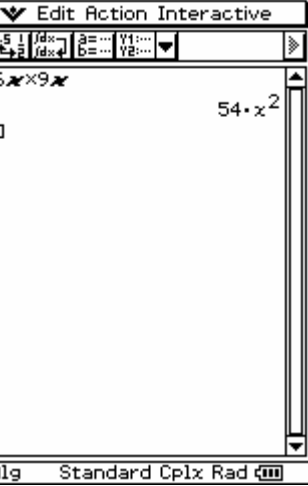
Input:  $x^2 \times x^4$   
Output:  $x^6$

**Addition**



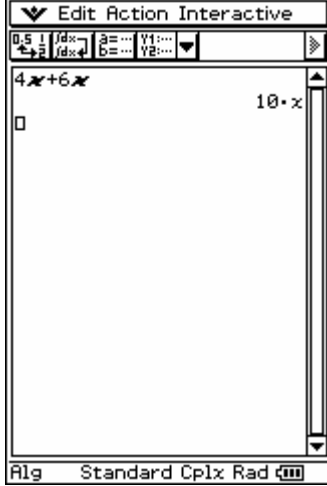
Input:  $x+x+x+x+x$   
Output:  $5 \cdot x$

**Dividing**



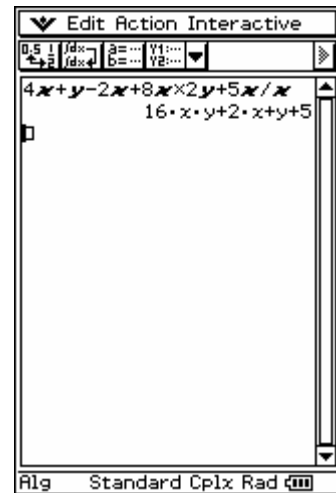
Input:  $6x^2 \div 9x$   
Output:  $\frac{2}{3} \cdot x$

**Subtraction**



Input:  $10x - 6x$   
Output:  $4x$

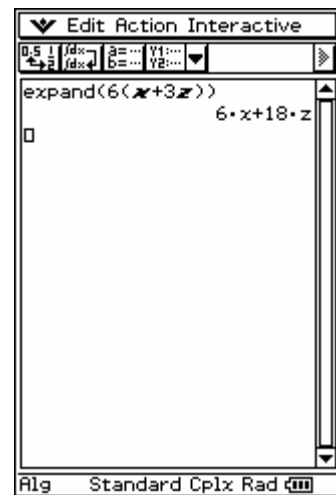
## 2. Combining terms



Input:  $4x+y-2x+8x^2y+5x/x$   
Output:  $16x^2y+2x+y+5$

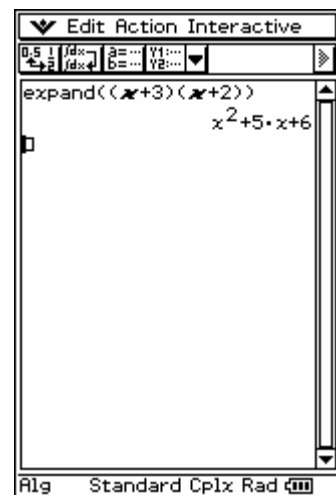
## 3. Expanding brackets

### (a) Single bracket



Input:  $6(x+3z)$   
Output:  $6x+18z$

### (b) Double brackets



Input:  $(x+3)(x+2)$   
Output:  $x^2+5x+6$

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