

RPN Expressions

The following RPN expressions are given with their evaluation

4 2 *	8
3 8 +	11
9 1 -	8
3 4 2 + +	9
12 8 2 / -	8
5 6 * 2 3 +	35

Evaluate the following expressions

3 7 +	_____
12 4 -	_____
10 3 2 + +	_____
10 2 / 5 2 + +	_____

9 8 7 6 5 4 3 - - - - -	_____
12 4 2 + / 8 * 10 - 3 2 + /	_____

Write algebraic expressions with 'x' and 'y'

3 x x * *	_____
4 x x * * 3 x * + 1 -	_____
12 x * 3 y * + 5 x * 2 y * - /	_____

Convert the following expressions to the RPN

(3+4) * (2+3)	_____
1 + 2 + 3 + 4	_____
5 - 4 - 3 - 2	_____
1 / (1 + 2)	_____
1 / (1 + (1 / (1 + 1 / (1 + 1))))	_____