Algebra Equation Sudoku

Fill the grid with the digits from 1 to 5 using the equations given in the shapes. No row or column should have any repeat digits. You must also solve for the constants X and Y in the each puzzle. X and Y are digits from 0 to 9.

Author's note: You will need a lot of white space for solving this one.

Puzzle 1

$2x$ add		$x+2y$ add		$4(x+y)$ mult
	x div		$x+y$ add	
$2x$	$5y$ mult			xy add
$y-x$ sub		x mult		
y	$x(x+y)$ add			

Puzzle 2

$x(x+y)$ mult	$x+y$ mult		y/x div	$y+1$
	$x+y-1$	y^2+y mult		x^2-1 mult
$(x+y)/x$ sub	y mult		$x+y+x^2$ add y	
		$(y/x)+1$ mult		
x div			$(x+y)^2+y$ mult	

Puzzle 3

$2y$ add			$2x$ mult	$y(x-1)$ add
$x-y$ sub	x add			this cell equals **X**
	$2y-x$ sub	y add		
$x-y$ div		$3y$ add		
	$2y$ add		$2y$ mult	