

Fill the grid with the digits from 1 to 5 using the sums 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. Each puzzle has a unique value for X and Y.

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★ Fixed 9/21/09
Thanks to all who found errors!

$2x$		$2y+1$	$x+1$	$2y$
$3x$				x
y	$2x-1$	$x+1$	$4x+y$	
$2y$		xy		
	$2y$		$x+y$	

x		$2x+1$		$2y-1$
x	y		$x+y$	
$2x$	$x+1$	x		$2y-1$
	$y-2$	$y-1$	y	
$2y$		y	$x+y-1$	

x		x		$2x-2y$
$2x-y$	y	$x+2y$		
	$x+y$	$4y$		$x-1$
$x-1$		x	x	
	$2x-y$		$3y$	

$2x+y$	y	x	$4x$	$2x-1$
	$3(x+y)$			$2x-y$
$3x-y$		$2x+1$	$2x$	
$x+y$	$xx+y$		x	$xxx+y$
$2x+y$	x	$x+y$	y	

y		$y+1$	$x+1$	y
x	$2y-1$			$x+y+1$
$2y+1$		$y/2x$	$x+1$	
$x-1$	y	$4x+1$		y
$2x+1$	y	$x+y$		

$2x+1$	$y-x$	$2x-2$		$x+y+1$
	y	y	y	
y			$2x-y$	$x-1$
x	y	$x+y-2$		$x+1$
	x	$2y-1$		