2. Given $w=-5-3x$ and $y=\frac{1}{1-3x}$, which of the following is correct:

$w\times y=\frac{3x+5}{3x+1}$	$\frac{w+y}{w-y}=\frac{(3x+1)(9x^2+12x-4)}{3(3x-1)(3x^2-4x-2)}$
$w-y=-\frac{9x^2+18x+4}{3x+1}$	$w+y=-\frac{3(3x^2+6x+2)}{3x+1}$

$w-y=-\frac{3(3x^2-4x-2)}{3x+1}$	$w+y=-\frac{9x^2-12x-4}{3x+1}$
$w\times y=\frac{3x-5}{3x+1}$	$\frac{w+y}{w-y}=\frac{(3x-1)(3x^2+6x+2)}{(3x+1)(3x^2+4x-2)}$

$w-y=-\frac{3(3x^2+4x-2)}{3x-1}$	$w+y=-\frac{9x^2+12x-4}{3x-1}$
$w\times y=\frac{3x+5}{3x-1}$	$\frac{w+y}{w-y}=\frac{9x^2+12x-4}{3(3x^2+4x-2)}$

$w-y=-\frac{9x^2-18x+4}{3x-1}$	$\frac{w+y}{w-y}=\frac{(3x-1)(9x^2-12x-4)}{3(3x+1)(3x^2+4x-2)}$
$w+y=-\frac{3(3x^2-6x+2)}{3x-1}$	$w\times y=\frac{3x-5}{3x-1}$

Solution