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

$\frac{r+f}{r-f}=-\frac{2(2x-3)(3x+4)}{(x-1)(2x-1)(2x+3)}$	$r+f=\frac{2x^2+3x-1}{2x+3}$
$r-f=-\frac{(x+1)(2x+1)}{2x+3}$	$r\times f=-\frac{x}{2x+3}$

$\frac{r+f}{r-f}=-\frac{2x^2+3x-1}{2(3x+5)}$	$r-f=-\frac{(x-1)(2x-1)}{2x-3}$
$r\times f=-\frac{x}{2x-3}$	$r+f=\frac{2x^2-3x-1}{2x-3}$

$r-f=-\frac{2(3x+5)}{2x+3}$	$r\times f=-\frac{3}{2x+3}$
$\frac{r+f}{r-f}=-\frac{3x+4}{3x+5}$	$r+f=\frac{2(3x+4)}{2x+3}$

$r-f=-\frac{2(3x-4)}{2x-3}$	$r\times f=-\frac{3}{2x-3}$
$r+f=\frac{2(3x-5)}{2x-3}$	$\frac{r+f}{r-f}=-\frac{(2x+3)(2x^2-3x-1)}{2(2x-3)(3x+5)}$

Solution