## 6.3 Adding and Subtracting Rational Expressions

* As with adding fractions, we need a [	
ex. $\frac{3}{x+1} + \frac{5x}{2x+3}$	* restrictions
	* domain
ex. $\frac{x^2 - 20}{y^2 - 4} + \frac{y - 2}{y + 2}$	* restrictions

\* domain

Note: we must be careful when subtracting negative rational expressions

ex. 
$$\frac{3}{x+5} - \frac{x-4}{x+5}$$

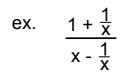
\* restrictions

\* domain

ex. 
$$\frac{5x}{x+1} - \frac{7x+1}{x-1}$$

\* restrictions





\* restrictions

\* domain

Note: (3 - x) =

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