Name _____ **Date** _____ **Period** _____

7.4 Adding & Subtracting Rational Expressions DAY ONE CYU

CONCEPTS	BASIC	INTERMEDIATE	ADVANCED
LCD		1 – 3	
Domain restriction in interval notation	1 – 3		
Adding rational expressions		2	
Subtracting rational expressions		1, 3	

Add or subtract the following rational expressions. State your LCD, restrict your domain, and simplify your answer completely.

1. $\dfrac{5}{2x-12} - \dfrac{20}{x^2-4x-12}$

2. $\dfrac{3}{x^2-5x+6} + \dfrac{2}{x^2-4}$

3. $\dfrac{1}{x^2-2x+1} - \dfrac{x+1}{x^2+x-2}$