Name _____ Date _____ Pd __

7.4 Adding & Subtracting Rational Expressions with Unlike Denominators DAY ONE CYU

☑ *Use when you get it right all by yourself*

S *Use when you did it all by yourself, but made a silly mistake*

H *Use when you could do it alone with a little help from teacher or peer*

G *Use when you completed the problem in a group*

X *Use when a question was attempted but wrong (get help)*

N *Use when a question was not even attempted*

CONCEPTS	BASIC	INTERMEDIATE	ADVANCED
Stating the LCD	1 – 6	7 - 12	
Restricting the domain	1 - 6	7 – 12	
Adding or Subtracting Rational Expressions	1 - 6	7 - 12	

Perform the indicated operation. Write your LCD, restrict your domain, and show all work for full credit. Simplify completely.

1. $\frac{4}{2x}+\frac{9}{3x}$

2. $\frac{15a}{b}-\frac{6b}{5}$

3. $\frac{3}{x}+\frac{5}{2x^2}$

4. $\frac{6}{x+1}+\frac{10}{2x+2}$

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

6. $\frac{3}{4x}+\frac{8}{x-2}$

7. $\frac{6}{x-3}+\frac{8}{3-x}$

8. $\frac{9}{x-3}+\frac{9}{3-x}$

9. $\frac{-8}{x^2-1} - \frac{7}{1-x^2}$

10. $\frac{5}{x} + 2$

11. $\frac{5}{x-2} + 6$

12. $\frac{y+2}{y+3} - 2$

13. $\frac{-x+2}{x} - \frac{x-6}{4x}$

14. $\frac{5x}{x+2} - \frac{3x-4}{x+2}$

CYU Reflection: *How far can you go: basic, intermediate, or advanced?*

Rate your mastery level!

How confident are you with the skills this CYU covered? Circle the score you would give yourself.