Name _____ Date _____ Pd ____

7.3 Adding & Subtracting Rational Expressions with Common 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
Adding rational expressions	1 – 4	7	13, 14
Subtracting rational expressions		5, 6, 8, 9	10 – 12, 15 – 17
Domain restriction	1 - 4	5 - 9	10 - 17

Add or subtract as indicated. Simplify the result if possible. Restrict the domain in interval notation.

1. $\frac{a+1}{13}+\frac{8}{13}$

2. $\frac{x+1}{7}+\frac{6}{7}$

3. $\frac{4m}{3n}+\frac{5m}{3n}$

4. $\frac{3p}{2q}+\frac{11p}{2q}$

5. $\frac{4m}{m-6}-\frac{24}{m-6}$

6. $\frac{8y}{y-2}-\frac{16}{y-2}$

7. $\frac{9}{y+9}+\frac{y-5}{y+9}$

8. $\frac{5x^2+4x}{x-1}-\frac{6x+3}{x-1}$

9. $\frac{x^2+9x}{x+7}-\frac{4x+14}{x+7}$

10. $\frac{4a}{a^2+2a-15} - \frac{12}{a^2+2a-15}$

11. $\frac{3y}{y^2+3y-10} - \frac{6}{y^2+3y-10}$

12. $\frac{2x+3}{x^2-x-30} - \frac{x-2}{x^2-x-30}$

13. $\frac{2x+1}{x-3} + \frac{3x+6}{x-3}$

14. $\frac{4p-3}{2p+7} + \frac{3p+8}{2p+7}$

15. $\frac{2x^2}{x-5} - \frac{25+x^2}{x-5}$

16. $\frac{6x^2}{2x-5} - \frac{25+2x^2}{2x-5}$

17. $\frac{5x+4}{x-1} - \frac{2x+7}{x-1}$

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.