Name _____ Date _____ Pd ____

7.1 Rational Functions 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
Domain in interval notation.	1, 2	3	4
Simplifying Rational Expressions	5, 6	7, 8	9, 10

Find the domain of each rational expression in interval notation.

1. $f(x) = \frac{5x-7}{4}$ 2. $g(x) = \frac{x^2+1}{2x}$ 3. $h(x) = \frac{3x}{7-x}$ 4. $R(x) = \frac{x}{3x-1}$

Simplify each expression. Restrict the domain in interval notation too.

5. $\frac{x+7}{7+x}$ 6. $\frac{y-9}{9-y}$ 7. $\frac{2}{8x+16}$

8. $\frac{-4x-4y}{x+y}$ 9. $\frac{7x+35}{x^2+5x}$ 10. $\frac{9x+99}{x^2+11x}$

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.