Name _____ Date _____ Pd _____

7.3 Finding an LCD DAY TWO CYU

CONCEPTS	BASIC	INTERMEDIATE	ADVANCED
Finding an LCD	1, 2	3 – 10	11 – 20
Restricting the domain in interval notation	1, 2	3 - 10	11 - 20

Find the LCD for each list of rational expressions. Then state your domain restriction of your LCD in interval notation.

1. $\dfrac{19}{2x}$ & $\dfrac{5}{4x^3}$

2. $\dfrac{17x}{4y^5}$ & $\dfrac{2}{8y}$

3. $\dfrac{9}{8x}$ & $\dfrac{3}{2x+4}$

4. $\dfrac{1}{6y}$ & $\dfrac{3x}{4y+12}$

5. $\dfrac{2}{x+3}$ & $\dfrac{5}{x-2}$

6. $\dfrac{-6}{x-1}$ & $\dfrac{4}{x+5}$

7. $\dfrac{x}{x+6}$ & $\dfrac{10}{3x+18}$

8. $\dfrac{12}{x+5}$ & $\dfrac{x}{4x+20}$

9. $\dfrac{8x^2}{(x-6)^2}$ & $\dfrac{13x}{5x-30}$

10. $\dfrac{9x^2}{7x-14}$ & $\dfrac{6x}{(x-2)^2}$

11. $\dfrac{1}{3x+3}$ & $\dfrac{7}{2x^2+4x+2}$

12. $\dfrac{19x+5}{4x-12}$ & $\dfrac{3}{2x^2-12x+18}$

13. $\dfrac{5}{x-8}$ & $\dfrac{3}{8-x}$

14. $\dfrac{5x+1}{x^2+3x-4}$ & $\dfrac{3x}{x^2+2x-3}$

15. $\dfrac{4}{x^2+4x+3}$ & $\dfrac{4x-2}{x^2+10x+21}$

16. $\dfrac{2x}{3x^2+4x+1}$ & $\dfrac{7}{2x^2-x-1}$

17. $\dfrac{3x}{4x^2+5x+1}$ & $\dfrac{5}{3x^2-2x-1}$

18. $\dfrac{1}{x^2-16}$ & $\dfrac{x+6}{2x^3-8x^2}$

19. $\dfrac{5}{x^2-25}$ & $\dfrac{x+9}{3x^3-15x^2}$

20. $\dfrac{12x-6}{x^2+3x}$ & $\dfrac{4x^2+13x+3}{4x^2-1}$

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.

| 1 2 | 3 4 5 | 6 7 | 8 |
| Basic | Intermediate | Advanced | Solved ALL! |