

Name _____ Date _____ Pd _____

7.3 Finding an LCD DAY TWO 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
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. $\frac{19}{2x} & \frac{5}{4x^3}$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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.

