

7.2 Multiplying 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
Multiplying rational expressions	1 - 3	4, 5, 8	6, 7, 9
Simplifying rational expressions	1 - 3	4, 5, 8	6, 7, 9
Domain restriction in interval notation	2, 3	4 - 9	

Find each product and simplify if possible. Show all work to earn full credit. Restrict the domain in interval notation.

1. $\frac{3x}{y^2} \cdot \frac{7y}{4x}$

2. $\frac{8x}{2} \cdot \frac{x^5}{4x^2}$

3. $-\frac{5a^2b}{30a^2} \cdot b^3$

4. $\frac{x}{2x-14} \cdot \frac{x^2-7x}{5}$

5. $\frac{6x+6}{5} \cdot \frac{10}{36x+36}$

6. $\frac{3x^2+12x}{6} \cdot \frac{9}{2x+8}$

7. $\frac{x^2+5x}{8} \cdot \frac{9}{3x+15}$

8. $\frac{4x-24}{20x} \cdot \frac{5}{x-6}$

9. $\frac{x^2+x}{8} \cdot \frac{16}{x+1}$

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.

