

Name _____ Date _____ Pd _____

7.3 Creating Equivalent Rational Expressions DAY THREE 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 - 4	5 - 8	9 - 12
Multiplying polynomials	1 - 4	5 - 8	9 - 12
Domain restriction	1 - 4	5 - 8	9 - 12

Rewrite each rational expression as an equivalent rational expression with the given denominator. Write your final answer to replace the ? in standard form. Then state what your variable cannot equal, domain restriction.

1. $\frac{3}{2x} = \frac{?}{4x^2}$

2. $\frac{3}{9y^5} = \frac{?}{72y^9}$

3. $\frac{6}{3a} = \frac{?}{12ab^2}$

4. $\frac{5}{4y^2x} = \frac{?}{32y^3x^2}$

5. $\frac{9}{2x+6} = \frac{?}{2y(x+3)}$

6. $\frac{4x+1}{3x+6} = \frac{?}{3y(x+2)}$

$$7. \frac{9a+2}{5a+10} = \frac{?}{5b(a+2)}$$

$$8. \frac{5+y}{2x^2+10} = \frac{?}{4(x^2+5)}$$

$$9. \frac{x}{x^3+6x^2+8x} = \frac{?}{x(x+4)(x+2)(x+1)}$$

$$10. \frac{5x}{x^3+2x^2-3x} = \frac{?}{x(x-1)(x-5)(x+3)}$$

$$11. \frac{9y-1}{15x^2-30} = \frac{?}{30x^2-60}$$

$$12. \frac{6m-5}{3x^2-9} = \frac{?}{12x^2-36}$$

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.

