**Unit 2 #5 Rational Equations**

**SOLVING** Rational Equations

2 Ways to Solve Rational Equations:

1. Cross Multiplication (\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_)

2. Find the \_\_\_\_\_\_\_\_\_\_\_

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| Example 1:Cross Multiplication   | Example 2: Find the LCD |
| **Example 3** | **Example 4** |

**Practice Problems**

1. $\frac{x - 1}{5}$ = $\frac{2x - 2}{15}$ 2. $\frac{3}{x}$ = $\frac{6}{x + 1}$ 3. $\frac{8}{n - 1}$ = $\frac{10}{n + 1}$

4. $\frac{10}{x(x - 2)}$ + $\frac{4}{x}$ = $\frac{5}{x - 2}$ 5. $s$ $- \frac{4}{s + 3}$ = $s+3$ 6. $\frac{m+4}{m}$ + $\frac{m}{3}$ = $\frac{m}{3}-4$