

Algebra II Pre-AP CW 9.1-9.3

Find the LCM

1. $\frac{2x-1}{x^2-1}, \frac{5}{x^2-x}$	2. $\frac{-1}{xa-ba}, \frac{3}{2a^2}$
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Add or Subtract

3. $\frac{2x-1}{x^2-1} + \frac{5}{x^2-x} =$	4. $\frac{-3}{x^2-x-2} - \frac{2}{2x+2} =$
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Multiply or Divide. **Give all excluded values.**

5. $\frac{x^2-9}{x^2-5x+6} \cdot \frac{4x^2-16}{6x+12} =$	6. $\frac{x^2-x-42}{x^2+13x+12} \div \frac{2x-14}{2x+2} =$
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Solve the following rational expressions. If a solution is extraneous, say so.

7. $\frac{1}{x-8} - 1 = \frac{7}{x-8}$	8. $\frac{x-2}{x+3} - 1 = \frac{3}{x+2}$
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