

Algebra 2
Adding/Subtracting Rational Expressions

Name: _____
Period: _____

Simplify.

1. $\frac{4x+1}{3x} + \frac{x-5}{3x}$	2. $\frac{x^2+4x-7}{2} - \frac{3x}{2}$	3. $\frac{4x^2-1}{3x-1} + \frac{3-7x-x^2}{3x-1}$	4. $\frac{3x^2+7x+8}{2x+1} - \frac{x^2+5}{2x+1}$
5. $\frac{x^2+5x-10}{x+5} + \frac{2x^2+8x}{x+5}$	6. $\frac{x-1}{x^2+3x+2} + \frac{x}{x+1}$	7. $\frac{3}{x^2-4} + \frac{2}{x-2}$	8. $-\frac{8x}{x^2-36} + \frac{x-2}{x-6}$
9. $\frac{5x}{x-1} + \frac{3}{x}$	10. $\frac{2}{x+3} - \frac{4}{x+1}$	11. $\frac{3x-2}{x+2} + \frac{2x}{4x-1}$	12. $\frac{x-2}{x+6} + \frac{x+1}{x-5}$
13. $-\frac{4}{x^2+3x+2} + \frac{2}{x^2+2x}$	14. $\frac{x}{x^2-2x-48} + \frac{4}{x^2-64}$	15. $\frac{2}{x^2-x-20} + \frac{3}{x^2+7x+12}$	

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