Reminders: Please **show all your work** neatly on this worksheet.

This should be some of your most careful work!

Name: _____

	Channel and a saturation to the constant	Discourse was a second in the least of the signed
1.	Subtract:3	vant). Place your answer in the box at the right $\frac{x^2 - 4x}{x^2 - 6x} - \frac{x^2 + x - 6}{3x^2 - 6x}$.
2.	Find f(x) + g(x) where $f(x) = \frac{x^2}{x^2 + x^2}$	$\frac{x^2 - 4x}{3x - 4}$ & $g(x) = \frac{6x - 8}{x^2 + 3x - 4}$
3.	Find the least common denominat	or for: (4x + 12) & (6x + 18)
4.	Add: 1 + 4	
4.	Add: $\frac{1}{p+2} + \frac{4}{p^2-4}$	·
5.	Subtract: $\frac{3}{x^2 - 9} - \frac{2}{x^2 - 2x}$	3

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6.	Add:	3 +	x + 2
			x - 5

Simplify the following complex fraction using the LCD method.

$$\frac{2}{y-3} + \frac{5}{y-2}$$

$$\frac{3}{y-2} - \frac{4}{y-3}$$

8.

Find
$$g(x)/f(x)$$
 for: $f(x) = \frac{x^2 + x - 30}{2x^2 - 12x}$ & $g(x) = \frac{x^2 - 25}{5x - 30}$

9. Solve. Be sure to state the restrictions.

$$6 - \underbrace{8}_{X} = 3 + \underbrace{4}_{X}$$

10. Solve. Be sure to state the restrictions.

$$\frac{4x^2 - 24x}{3x^2 - x - 2} + \frac{3}{3x + 2} = \frac{-4}{x - 1}$$