Today, we do it all -- equation style!



$$\frac{x}{4} - \frac{7}{x} = 3$$

Non Permissible Values	X ≠ O
Lowest Common Denominator	4x
There is an equal sign. Multiply each term by the LCD. Clear fractions.	$\frac{14x^{2}}{4x^{2}} - \frac{14x^{2}}{2} = \frac{3}{4}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$

Solve. Factoring / Quadratic Formula	$\chi^{2} - 12\chi - 28 = 0$ $-14, 2$ $(\chi - 14)(\chi + 2) = 0$ $\chi = 14, -2$
Check Non Permissible values. Substitute	X 7 Y 7 14 7 14 7 14 7 14 7 12 12 12 12 12 12 12 12 12 12 12 12 12 12 13 12 14 12 15 12 15 12 16 13 17 14 18 14 19 14 10 14 10 14 11 14 12 13 12 14 13 14 14 12 15 14 16 15 17 14 18 15 19 14 10 14 12 12 12 12 13 14 14 12 12 12 12 12 12 12 12 12 12 12 12

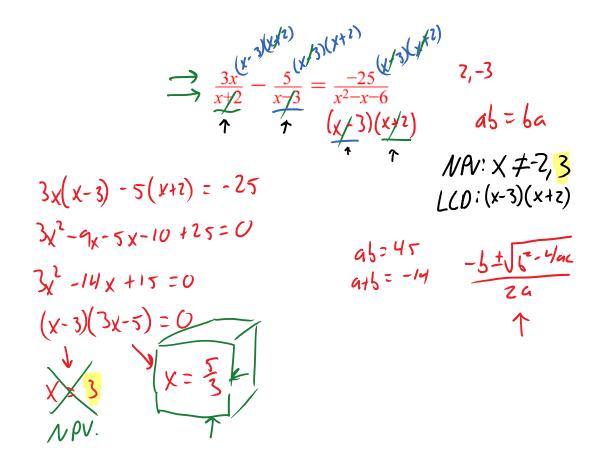
$$\frac{9}{y-3} - \frac{4}{y-6} = \frac{18}{y^2-9y+18} - 6,-3$$

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$$(y-6)(y-3)$$

$$9(y-6) - 4(y-3) = 18$$

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Quiz Tomorrow on Adding and Subtracting.

HW: pg: 349 #1,2,3,4,6