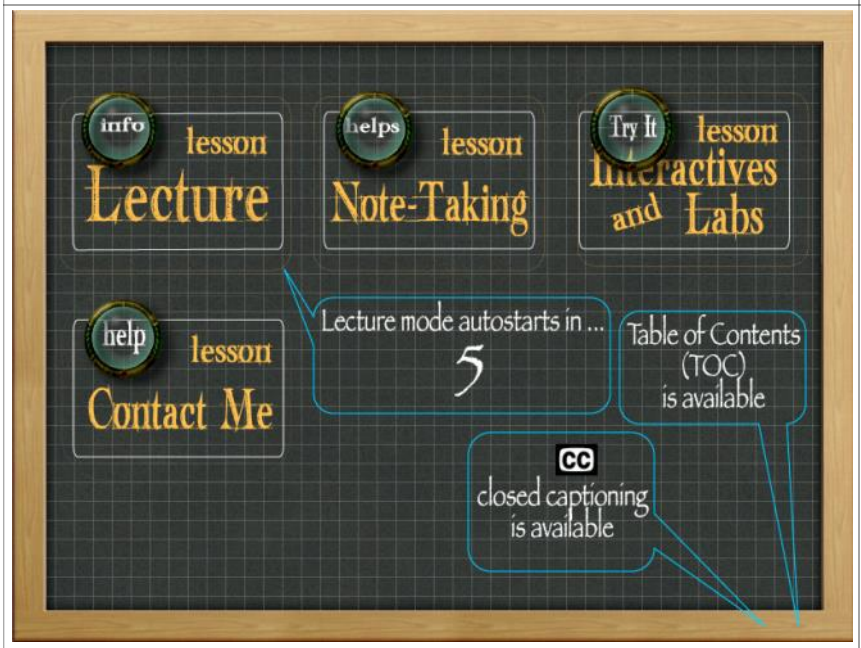
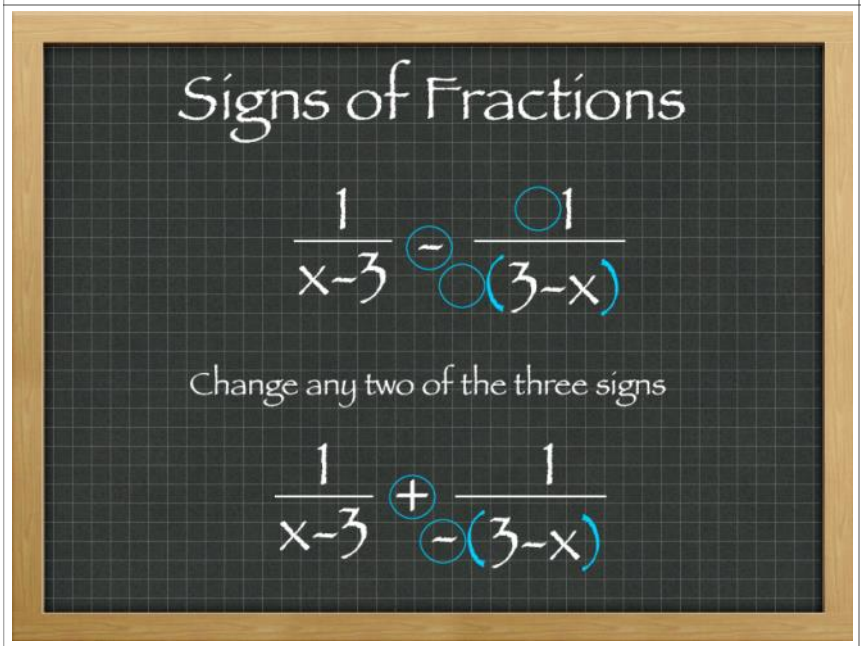
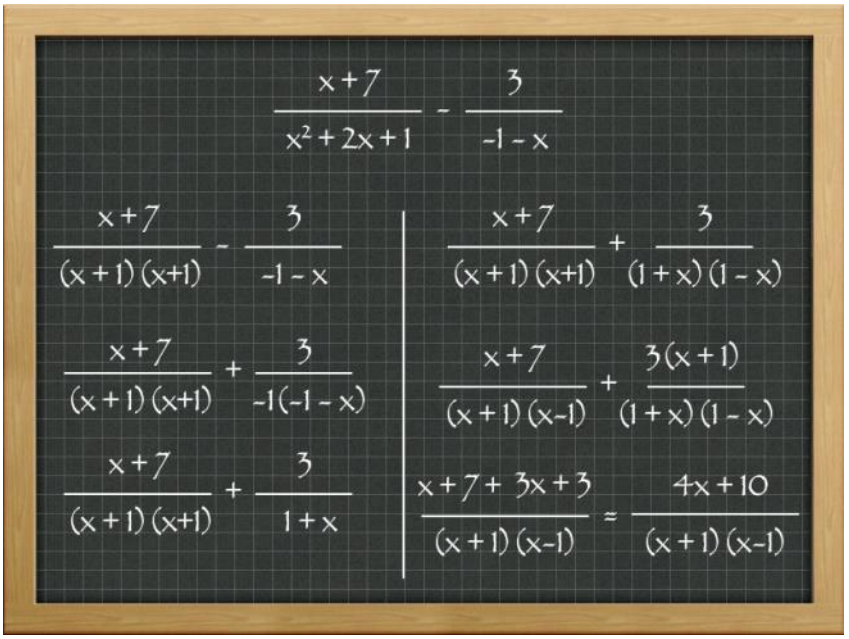
Factorable Denominators and Sign Changes

Thursday, January 19, 2012
5:22 PM

Slides	Notes
	
	In a previous lesson, you learned how to change the signs when you need to get the same denominator. You didn't have to do anything more than change the sign. Now, you will go ahead and do the addition or subtraction. There are no new skills, you are just applying what you have already learned all the way through to completion.


$\frac{x+7}{x^2+2x+1} - \frac{3}{-1-x}$
$\frac{x+7}{(x+1)(x+1)} - \frac{3}{-1-x}$
$\frac{x+7}{(x+1)(x+1)} + \frac{3}{-1(-1-x)}$
$\frac{x+7}{(x+1)(x+1)} + \frac{3}{1+x}$
$\frac{x+7}{(x+1)(x+1)} + \frac{3}{(1+x)(1-x)}$
$\frac{x+7}{(x+1)(x-1)} + \frac{3(x+1)}{(1+x)(1-x)}$
$\frac{x+7+3x+3}{(x+1)(x-1)} = \frac{4x+10}{(x+1)(x-1)}$


Congratulations!
You have completed this topic
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