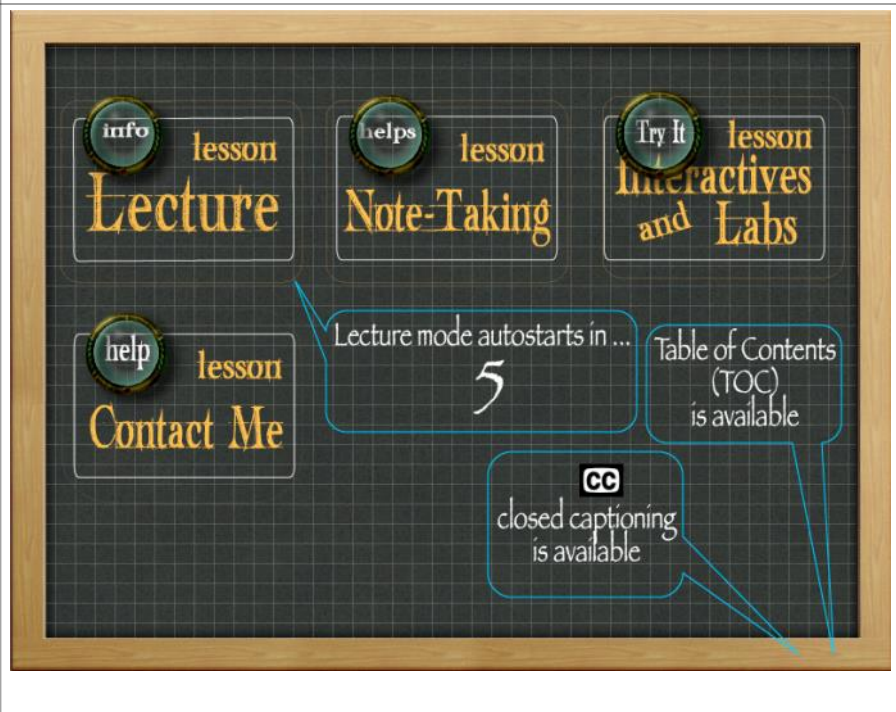
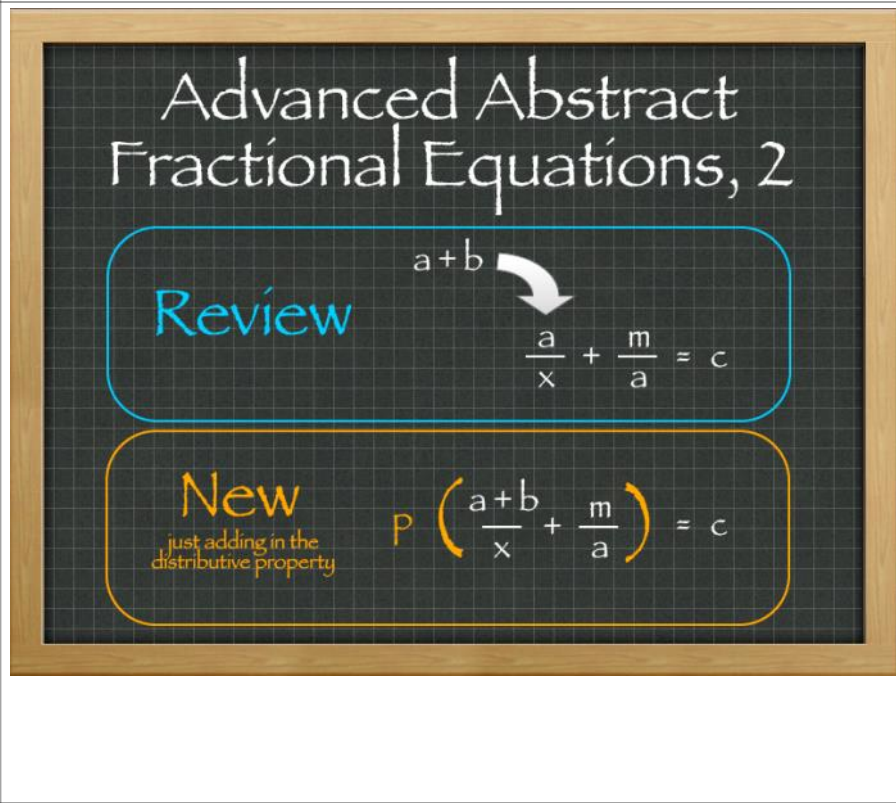


Advanced Abstract Equations_2

Thursday, January 19, 2012
5:19 PM

Slides	Notes
	
	<p>You may be thinking, haven't we done a lesson called Advanced Abstract Fractional Equations? I remember being totally intimidated by this title before.</p> <p>Yes, you are correct. In this lesson you will merely be combining things you have already learned. In the last two lessons with these, you went from learning how to do the basic fractional equations to how to do the next step up where one or more numerators or denominators was added or subtracted.</p> <p>In this one, the new skill to blend in will be to have parentheses tossed in. Just as you have already learned with the distributive property, you get rid of parentheses first. From there, the solution is identical to what you already have been doing.</p>

find c: $m \left(\frac{b}{1+c} + \frac{a}{p} \right) = xp$

$$\frac{mb}{1+c} + \frac{ma}{p} = xp$$

$$\frac{mb}{p(1+c)} + \frac{ma}{p(1+c)} = \frac{xp}{p(1+c)}$$

$$\frac{pmb}{p(1+c)} + \frac{ma(1+c)}{p(1+c)} = \frac{xp(1+c)}{p(1+c)}$$

$$pmb + ma(1+c) = xpp(1+c)$$

$$pmb + ma + mac = xpp + xppc$$

$$pmb + ma + mac - xpp = xppc$$

$$pmb + ma - xpp = xppc - mac$$

$$\frac{pmb + ma - xpp}{xpp - ma} = \frac{c(xpp - ma)}{xpp - ma}$$

$$\frac{pmb + ma - xpp}{xpp - ma} = c$$

$$\frac{bmp + ma - p^2x}{xpp - ma} = c$$

1. Distributive property
2. Common denominators
3. Numerator step to common denominator
4. Get rid of denominators
5. Isolate the c
6. Isolate the c
7. Rewritten
8. Pull the c out and divide anything non-c
9. Result
10. Terms internally arranged in alphabetical order. All done

Congratulations!
 You have completed
 this topic

Give us feedback about
 this lesson if you wish...


lesson
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