

The Vision of the Common Core: Changing Beliefs,  
Transforming Practice

*Using Algebra Models to Support Conceptual  
Development*  
January 26, 2013

For electronic resources go to:  
<http://education.ucdavis.edu/ucdmp>

Algebra Models Guide

Name: \_\_\_\_\_

- 1) Label the length and width of each piece.
- 2) Color each piece to match you set of Algebra Models.
- 3) Write the “name” of the piece on the line provided.



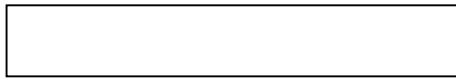
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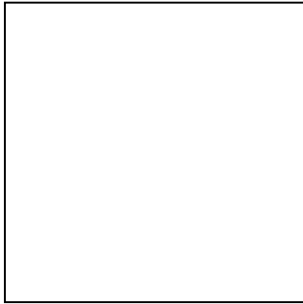
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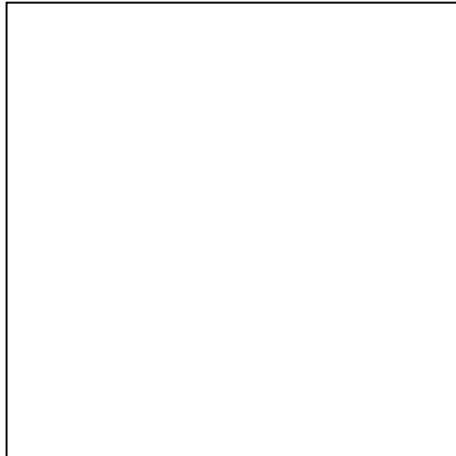
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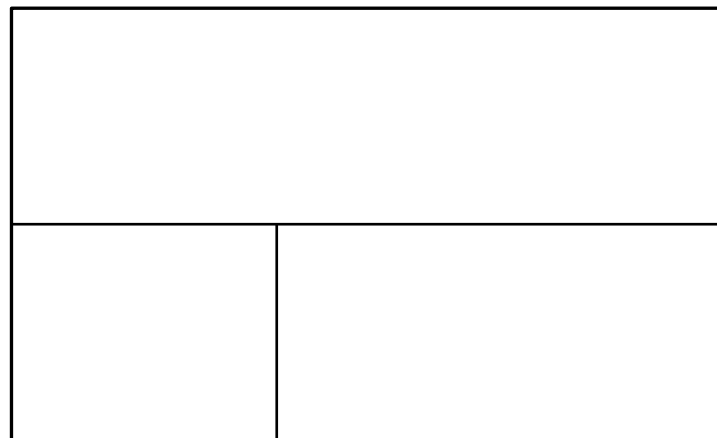
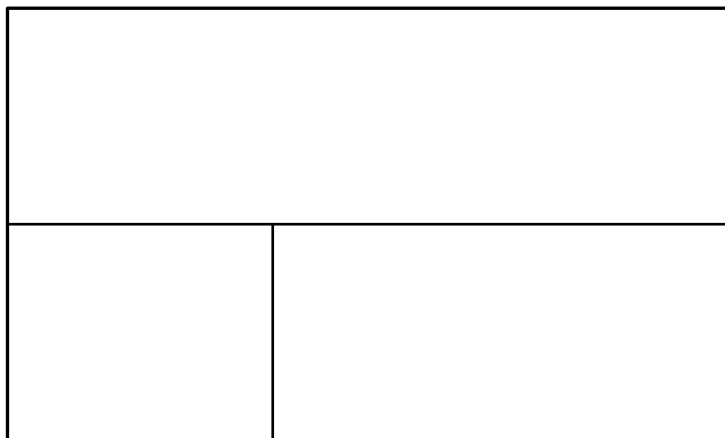
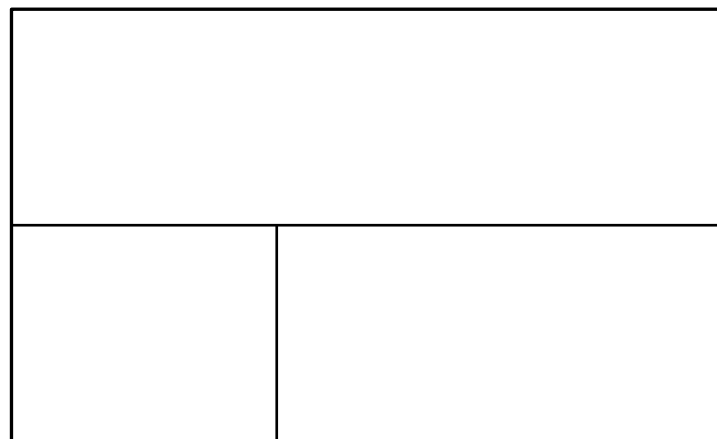
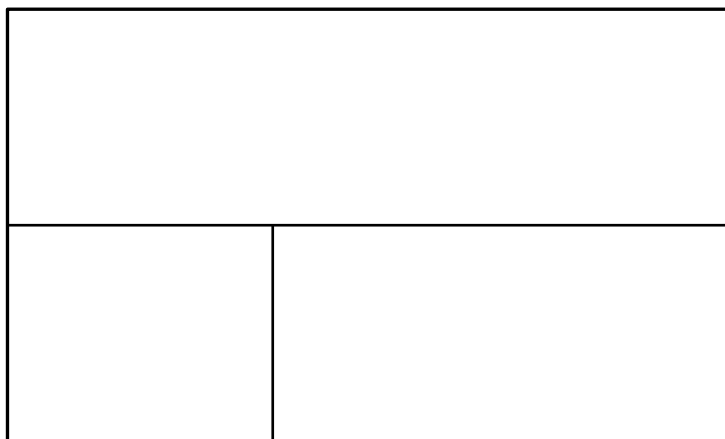
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Part-Part-Whole

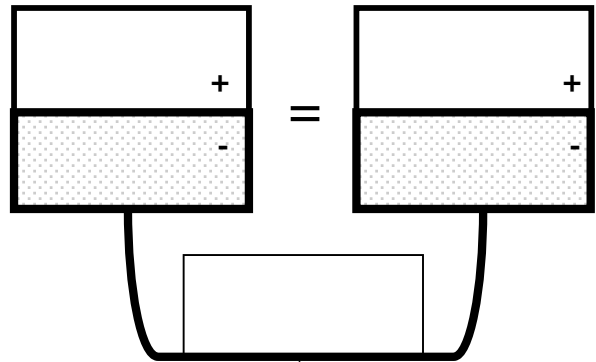


Part-Part-Whole

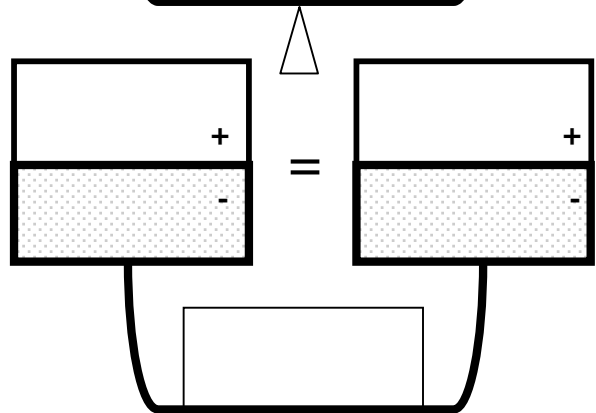
# Solving Equations in One Variable

Solve each of the following equations. Show the model for each one. Write the algebraic steps taken in words or symbols.

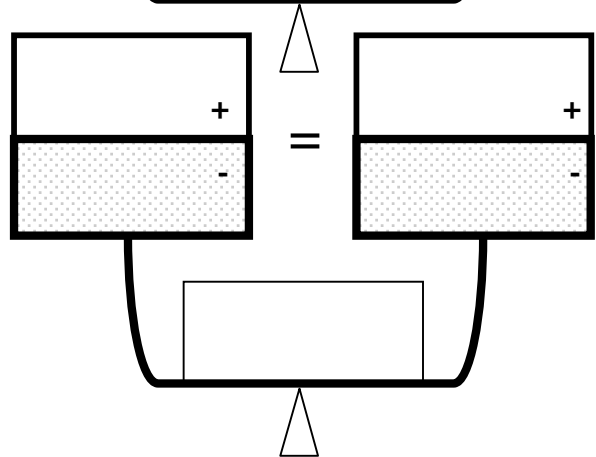
1)  $x - 3 = -4$



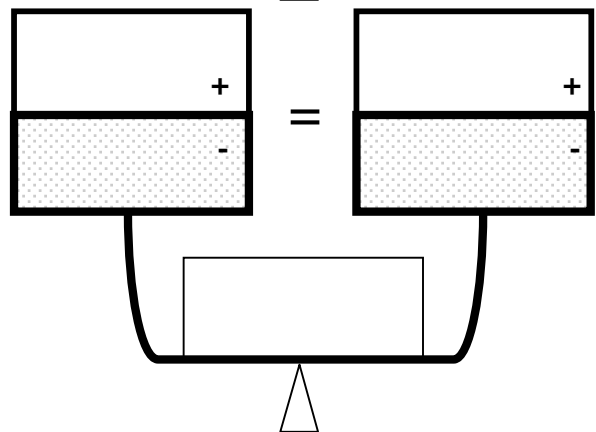
2)  $2x + 5 = -3$



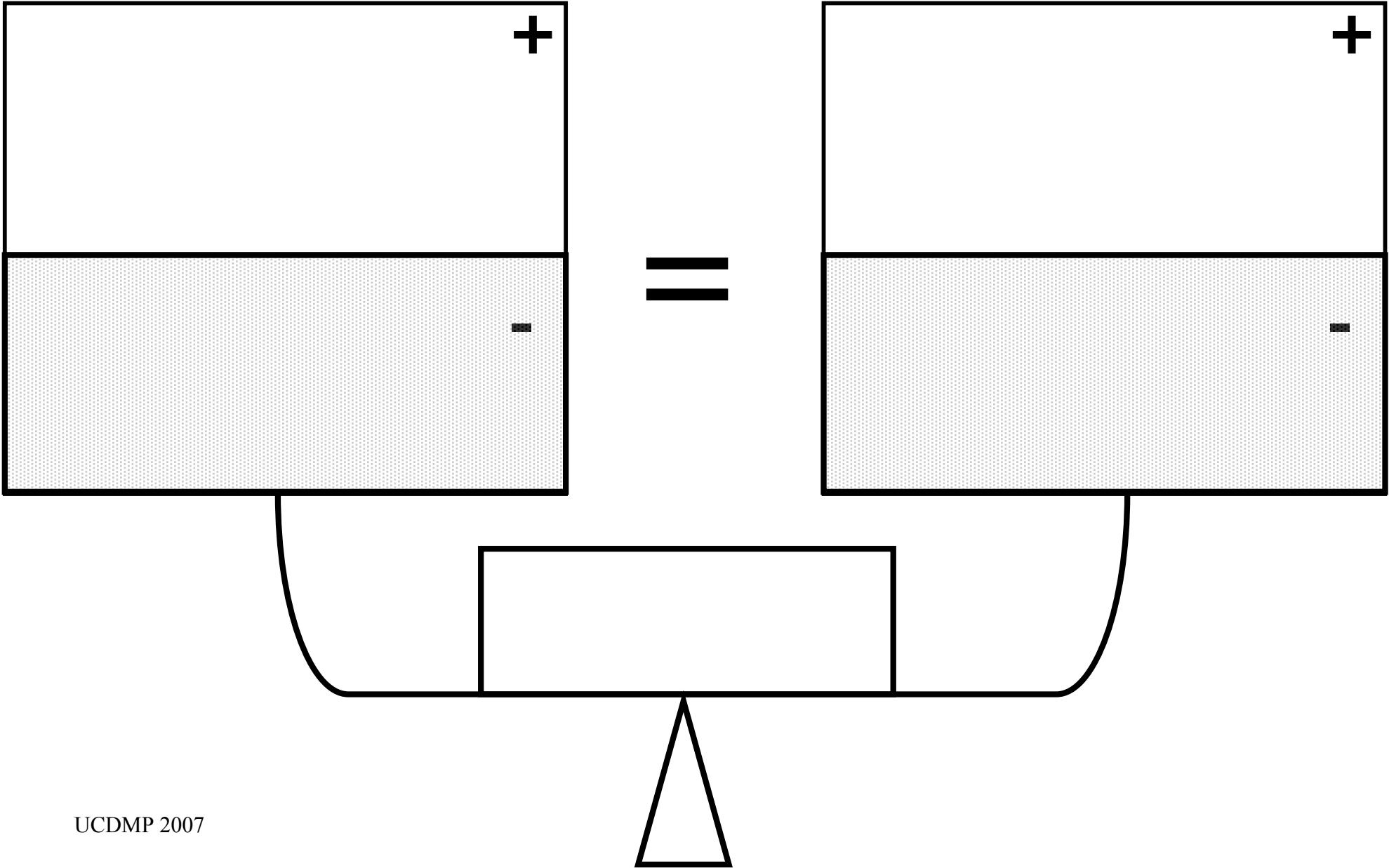
3)  $2(x - 3) = 2$



4)  $4x - 1 = -9$



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