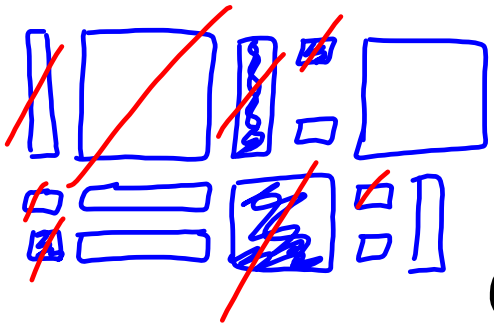
Warm-Up December 14, 2015

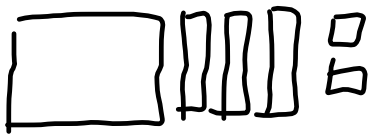
1. 

Write

$1x^2 + 3x + 2$

$x^2 + 3x + 2$

Model



2. $5x$?

$5x^2$, $4x$, 3, $-8x$, $-5x$, $9x^2$, 8

3. Group and Simplify

$10x^2 - 8 + 3x + 5 - 6x^2 - 6x$

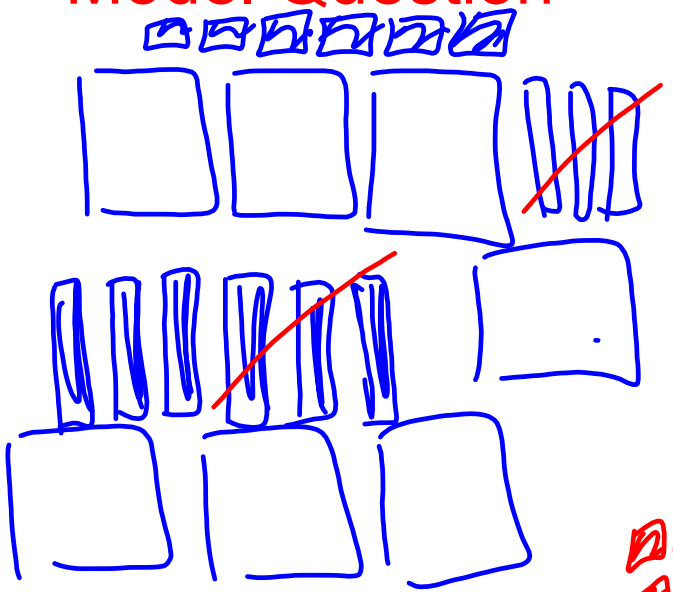
$10x^2 - 6x^2 + 3x - 6x - 8 + 5$

$4x^2 - 3x - 3$

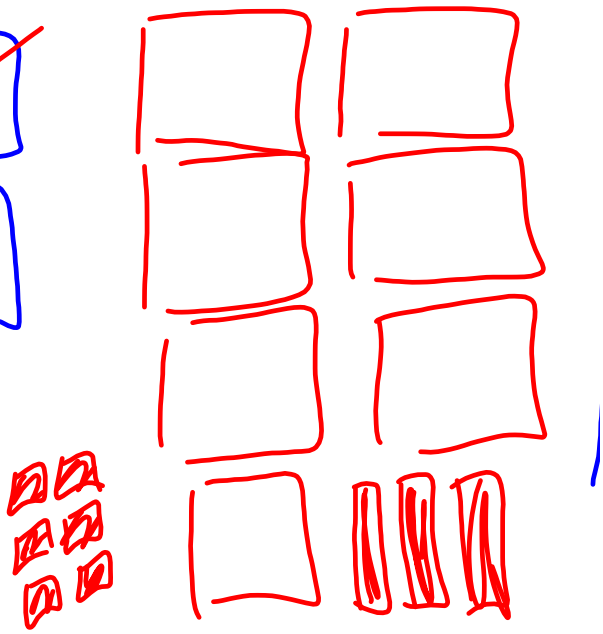
4. Combine like terms. Model

$3x^2 - 6x + 4x^2 + 3x - 6$

Model Question



Model Answer



Warm-Up

December 14,2015

Group and Simplify

A. $3n^3 - 4n^2 + 4n^2 + 3n - 2n^3$

$3n^3 - 2n^3 + 4n^2 - 4n^2 + 3n$

$1n^3 + 3n$

B. $-p - 2p^4 - 2p^4 - 2p - p^3$

$-2p^4 - 2p^4 - p^3 - 2p - p$

$-4p^4 - p^3 - 3p$

C. $5x^3y^4 + 5x - 3x^3y^4 - 2x$

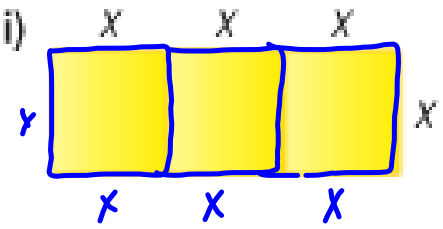
$5x^3y^4 - 3x^3y^4 + 5x - 2x$

$2x^3y^4 + 3x$

Using Polynomials to represent perimeter

simplified

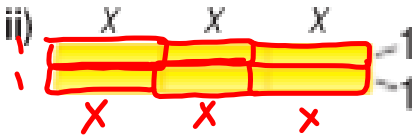
i)



$8x$

$6x + 2x$

ii)



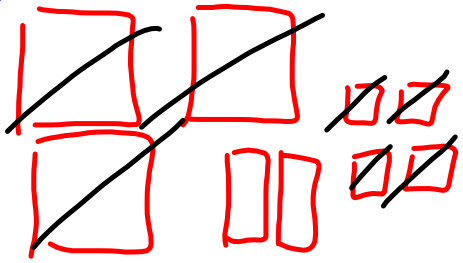
$6x + 4$

Sec. 5.3

Adding Polynomials

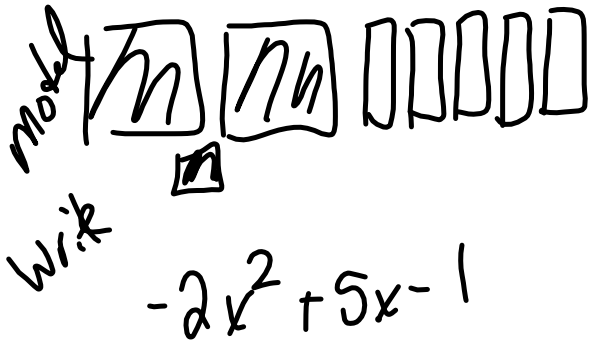
Model

a) $3x^2 + 2x + 4$



b) $-5x^2 + 3x - 5$

a+b [simplified]



$-2x^2 + 5x - 1$

*Remember

$(+)(+) = (+)$
$(-)(-) = (+)$
$(+)(-) = (-)$

$(3x^2 + 2x + 4) + (-5x^2 + 3x - 5)$

1. Remove the brackets.

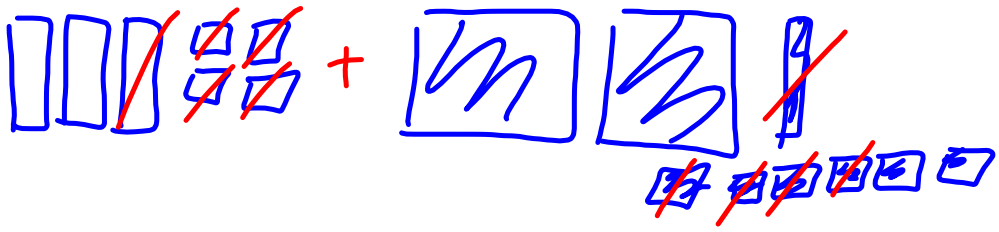
$3x^2 + 2x + 4 - 5x^2 + 3x - 5$

Group $3x^2 - 5x^2 + 2x + 3x + 4 - 5$

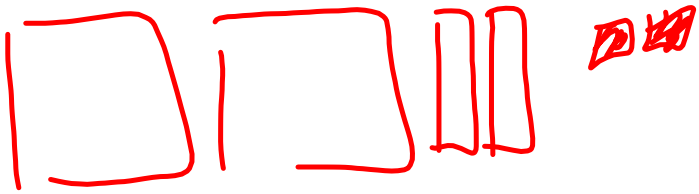
simplify $-2x^2 + 5x - 1$

Using algebra tiles model each bracket.

$$(3s + 4) + (-2s^2 - s - 6)$$



Model the Answer



1. Copy the question
2. Remove the brackets
3. Group
4. Simplify

$$(-3x^2 + 4x - 2) + (2x^2 - 6x + 5)$$

$$-3x^2+4x-2+2x^2-6x+5$$

$$-3x^2+2x^2+4x-6x-2+5$$

$$-x^2-2x+3$$

Homework

Page 223
#19 sketch

Page 229
#5 a,b Algebra tiles

1. Ques.
2. Remove Brackets
3. Group
4. Simplify

{ #8 a,c,e
#9 a,c,e