

Russell County Schools Non-Traditional Instructional Expectations

Day:

School: RCHS

Course/Subject: Algebra I

Teacher: Pam Wilson

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Class Blog: pamwilson.wordpress.com

Learning Target: Students will multiply binomials.
CCSS A.SSE.2, F.BF.1

Lesson Expectations:

Possible Procedures:

$(3x+5) \cdot (2x-4)$ distribute each term to each term.

$3x \cdot 2x$ $3x(-4)$ $5 \cdot 2x$ $5 \cdot (-4)$

$6x^2 - 12x + 10x - 20$

combine like terms.

$6x^2 - 2x - 20$

Using an area model.

	$2x$	-4
$3x$	$6x^2$	$12x$
$+5$	$10x$	20

then multiply each term to find section term.

	$2x$	-4
$3x$	$6x^2$	$-12x$
$+5$	$10x$	-20

combine like terms

$10x - 12x$
 $6x^2 - 2x - 20$

For Alternate Assignment Options:

Visualpatterns.org

Which One Doesn't Belong Website: wodb.ca

Estimation180.com

Desmos.com

For Supplemental Resources/Support: pamwilson.wordpress.com

For Teacher Support: pam.wilson@russell.kyschools.us

*Reminder: Assignments are due back to teachers within 2 school days.

$4x^2 + 16x - 33$		
$9x^2 + 3x - 20$		
$4x^2 + 27x - 40$		
$16x^2 - 49$		
$3x^2 - 19x - 14$		
$6x^2 - x - 40$		
$6x^2 - x - 1$		
$16x^2 - 8x - 3$		
$4x^2 + 11x + 6$		
$x^2 - 25$		
$3x^2 - 10x + 3$		
$4x^2 - 8x - 21$		

Which of the factors would you multiply to get the polynomials to the left? Match +ve Factors!

$(2x + 5)$	$(x - 7)$	$(x + 2)$
$(x - 3)$	$(x + 5)$	$(x - 5)$
$(2x - 1)$	$(2x + 11)$	$(2x - 3)$
$(2x + 3)$	$(2x - 7)$	$(3x - 1)$
$(3x + 1)$	$(3x - 8)$	$(3x + 2)$
$(3x - 4)$	$(3x + 5)$	$(4x + 3)$
$(4x - 3)$	$(4x + 1)$	$(4x - 5)$
$(4x + 7)$	$(4x - 7)$	$(x + 8)$