Multiplying with Algebra Tiles
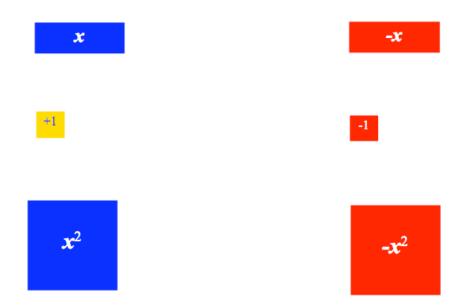
What are Algebra Tiles?

Tiles used to represent variables and assist with solving mathematical equations.

x		$-x$

$+1$		-1

x^2		$-x^2$

What does 3x+5 look like with algebra tiles?

Example 1: Use algebra tiles to find $(x-2)(-x+3)$
Draw your work below

Name_____ Date_____ Period_____

Multiply the following binomials using algebra tiles. Draw your work.

1. $3x(x+2)$

2. $(2x-1)(-x+1)$

3. $(-x-2)(x+3)$

4. $(x-2)x$

5. $(2x - 2)(-x + 1)$

6. $(x - 5)(2x + 3)$

7. $-2x(-x + 5)$

8. $(x + 1)(-x + 4)$