Name: _____ Date: _____

5.3 Warm Up

1. Let ▯ represent $-x$ and ■ represent $+1$.

a) What expression does the diagram represent? _____

b) What type of polynomial is this? _____

monomial, binomial, trinomial, or polynomial

2. Use a diagram or tiles to show that $3x - 5x - 3 - 2 = -2x - 5$.

3. Simplify by combining like terms.

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

Box like terms. Remember that the sign before the term goes with the term.

4. Complete the table.

Monomial	Opposite	Sum of Monomial and Opposite
a) 5		
b) -3		

5. Evaluate each expression when $x = 5$.

a) $x - 12$

$= \mathbf{5} - 12$ Substitute.

$=$ _____

b) $3x + 4$

$= 3 \times$ _____ $+ 4$

$=$ _____ $+ 4$

$=$ _____

6. Make the expressions equivalent.

a) $8 - 3 =$ _____ $8 + (-3) =$ _____

b) $4 - 15 =$ _____ _____ $+$ _____ $=$ _____