

Name:

Block:

Algebra I Week 4

Day 1	Day 2
<p>Simplify the following: $-5x + 3 - 7x - 6$</p> <p style="text-align: center;">$-12x - 3$</p>	<p>Simplify $(3x^2 - 4x + 7) + (5 - 2x^2)$</p>
<p>Simplify the following: $-7(4x - 6)$</p> <p style="text-align: center;">$-28x + 42$</p>	<p>Simplify $(3x^2 + 7x - 1) - (8 - 3x^2)$</p>
<p>Jon's sock drawer has 6 fewer than twice as many black socks as he has white socks. Write an expression for the total number of black socks if "w" represents the number of white socks.</p> <p style="text-align: center;">$2w - 6$</p>	<p>Simplify $5(3x - 7)$</p>
<p>Use the expression from the previous problem to identify the terms, coefficients, constants, and factors</p> <p>Terms: $2w, -6$ Coef: 2 Constant: -6 Factors: $2 \cdot w, -3 \cdot 2$</p>	<p>Simplify $-9(3x^2 - 5x - 1)$</p>
<p>Given $4x^2 - 3xy + 12y^2 - 9$, identify the terms, coefficients, constants, and factors</p> <p>Terms: $4x^2, -3xy, 12y^2, -9$ Coef: $4, -3, 12$ Cons: -9 Factors: $4 \cdot x^2, -3 \cdot x \cdot y, -3 \cdot 3$ $4 \cdot x \cdot x \quad 12 \cdot y \cdot y \quad 1 \cdot -9$</p>	<p>Simplify $x^2(3x^3 - 2x + 6)$</p>