

SIMPLIFYING ALGEBRAIC EXPRESSIONS

In your groups, use the cards to model the given algebraic expressions. Use the commutative property to regroup the expression then simplify by combining like terms.

	Expression	Re-Group	Simplify
1.	$(4x + 5y) + (3x + 8y)$		
2.	$(5x - 3y) + (2x + 6y)$		
3.	$(x + 7y) - (3x + 2y)$		
4.	$(4x - 5y) + (-8x + 5y)$		
5.	$4x + (3x - 7y)$		
6.	$(12x - 3y) + (-8x + 7y)$		
7.	$-(4x - 5y) - (3x + 2y)$		

Simplify the following expressions.

8. $(4a + 3b - 5c) + (2a - 8b + 12c)$

9. $(4& + 3\#) + (6& - 9\#)$

10. $(\Delta + 5\Sigma) + (-3\Delta + 9\Sigma)$