

SIMPLIFYING ALGEBRAIC EXPRESSIONS

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

	Expression	Regroup	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. $(4g + 3h) + (6g - 9h)$

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