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| **Unit Two Homework #5** | | | |
| **Unit 1**: Expressions and Equations | **Date Assigned**: | **Due Date:** | |
| **Assignments** | | **Self-Assessment** | **Points Earned** |
| * Combining Like Terms   + Complete the problems in the attached assignment. | | * I did excellent! * I did well. * I did okay * I am having trouble understanding. |  |
| * Simplifying Expressions   + Complete the problems in the attached assignment. | | * I did excellent! * I did well. * I did okay * I am having trouble understanding. |  |
| **Total** | | |  |

Identify like terms in the expression below. You do not need to simplify the expression.

Simplify the following expressions by combining like terms:

Simplify each expression by using the distributive property:

Simplify by adding or subtracting the expressions:

(3x + 5) - (6x - 9)

(5x + 4) + (3x - 7)

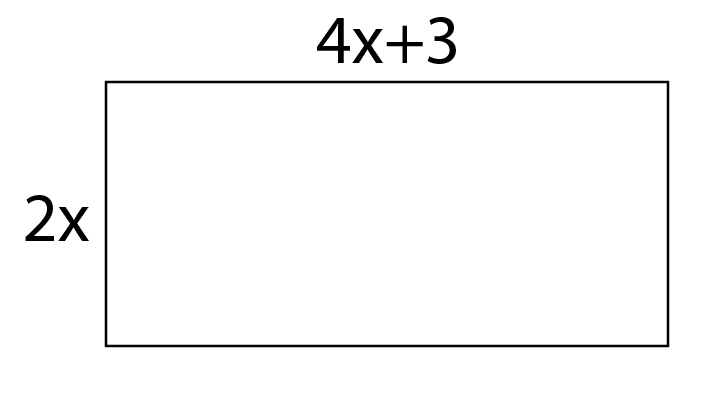
Simplify each expression by using the distributive property and combining like terms:

Simplify the following expressions:

1. At the grocery store, apples cost $2 per pound and bananas cost $3 per pound. If represents the number of pounds of bananas and represents the number of pounds of bananas, write an expression that represents the total cost of pounds of apples and pounds of bananas.

2. Sasha earns $12 for every hour that she babysits and $14 for every hour she works at the ice cream shop. If represents the number of hours that she babysits and represents the number of hours that she works at the ice cream shop, write an expression that represents the total amount of money she makes.

3. a. A rectangle is shown below with dimensions and . Write an expression that represents the perimeter of the rectangle.



b. Write your expression in simplified form.

c. BONUS: If , what is the perimeter of the rectangle?