

NAME \_\_\_\_\_

DATE \_\_\_\_\_

**Module 2** Writing and Simplifying Algebraic Expressions  
**Lesson 4** Combining Like Terms



**guided  
practice**

**Set 1****Identify like terms.**

1.  $2a^2b, a^2b, 4ab^2$

\_\_\_\_\_

2.  $z, 2x, 3y, 4y^2, 5z, 2x$

\_\_\_\_\_

**Simplify.**

3.  $3r + 4s + 2s - 3r$

\_\_\_\_\_

4.  $2x^2 + 4 + 2x - 3x - 1$

\_\_\_\_\_

**Set 2****Add.**

1.  $3a^2 + 5a - 7$  and  $a^2 - 2a + 6$

2.  $3y^2 - 2y - 4$

$$\begin{array}{r} 3y^2 - 2y - 4 \\ + 2y + 4 \\ \hline \end{array}$$

**Subtract.**

3.  $(2t^2 - 8) - (t^2 - 3t + 2)$

4.  $x^2 - x + 2$

$$\begin{array}{r} x^2 - x + 2 \\ - (x^2 - 4x - 3) \\ \hline \end{array}$$

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**Manipulative Set****Simplify using Algebra Tiles to model each expression.**

1.  $4x^2 + 3x^2 - 2x + 4 - 5$   

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2.  $-x^2 - 5 + 3 + 3x + x^2 - 4x$   

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3.  $8x - 3x - 5x^2 - 2x + 3 + 3x^2$   

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4.  $2x + x^2 - 4 - x + 3 - x + 1 - x^2$   

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