

Algebra I  
3.3 Activity  
Adding Expressions

NAME: \_\_\_\_\_

DATE: \_\_\_\_\_ HOUR: \_\_\_\_\_

**SKILL PRACTICE**

Simplify. Match each exercise with its answer.

EXERCISES

- |                          |
|--------------------------|
| 1. $8n + 5n$             |
| 2. $7n + 2n + 3n$        |
| 3. $6n + 9n + 6n$        |
| 4. $5n + 4n + 8n$        |
| 5. $4n + 7n + 9n$        |
| 6. $6n + 3n + 3 + 2n$    |
| 7. $5n + 6 + 4 + 3n$     |
| 8. $9n + 8 + 3n + 3$     |
| 9. $11n + 9 + 14n + 3n$  |
| 10. $13n + 12 + 8 + 16n$ |

ANSWERS

- |            |
|------------|
| $21n$      |
| $28n + 9$  |
| $12n$      |
| $11n + 3$  |
| $12n + 11$ |
| $13n$      |
| $17n$      |
| $8n + 10$  |
| $29n + 20$ |
| $20n$      |

over

Add.

10.  $(5a + 3b) + (-7a + -2b)$     11.  $(6x + 3y) + (2x + y)$     12.  $(6x + 3y) + (2x + 2y)$   
 13.  $(-5a + 3b) + (7a + -2b)$     14.  $(5a + -3b) + (7a + 2b)$     15.  $(6x + 7y) + (x + 5y)$

Check yourself. Here are the scrambled answers:

- $2a + b$      $12a + -b$      $-2a + b$      $7x + 12y$      $8x + 4y$      $8x + 5y$

Simplify.

- |                    |                   |                    |
|--------------------|-------------------|--------------------|
| 1. $x + 3x$        | 2. $6x + 7x$      | 3. $3x + 7x$       |
| 4. $x - 3x$        | 5. $6y - 7y$      | 6. $a - 4a$        |
| 7. $-x^2 + 3x^2$   | 8. $-b + 5b$      | 9. $-2c^2 + 8c^2$  |
| 10. $-6y + 3y$     | 11. $a - 2a$      | 12. $7c^2 - 9c^2$  |
| 13. $-2x + 8x$     | 14. $-5b - 6b$    | 15. $-8a - 2a$     |
| 16. $-x + 5x$      | 17. $2n^2 - 5n^2$ | 18. $-10x + 4x$    |
| 19. $y - 10y + 10$ | 20. $x + 3 - 3x$  | 21. $-3y + 3y + 1$ |