



Name: \_\_\_\_\_

## 4-5 Additional Practice

Scan for  
Multimedia**Leveled Practice** In 1–4, factor the expression.

1.  $21a + 9$ .

The GCF of 21 and 9 is 3.

$3 \times \boxed{\phantom{000}} = 21a$

$3 \times \boxed{\phantom{000}} = 9$

The factored expression is  $\boxed{\phantom{000}}$ .

2.  $-18y - 27$ .

The GCF of  $-18$  and  $-27$  is  $-9$ .

$-9 \times \boxed{\phantom{000}} = -18y$

$-9 \times \boxed{\phantom{000}} = -27$

The factored expression is  $\boxed{\phantom{000}}$ .

3.  $8x + 36$

4.  $28y - 32$

5. This model shows the area of a field. Write two expressions that represent the area.



6. Josh is trying to factor the expression  $-20a - 8 + 12b$ .  
He writes  $-4(5a + 2 + 3b)$ .

a. What error did Josh likely make?

b. Factor the expression correctly.

c. Write an equivalent factored expression.



7. What are possible dimensions of the rectangular area at the right?

$$\text{Area} = 27x - 9$$

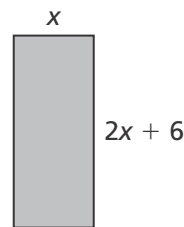
8. Use the expression  $14x + 28y + 21$ .

a. **Make Sense and Persevere** What is the greatest common factor of the expression? © MP.1

b. Factor the expression.

9. Laine correctly factors the expression  $15a - 6b + 36$ . Give two possible answers Laine could have written.

10. **Higher Order Thinking** A landscaper is adding a stone path around a rectangular patio. The width of the patio, in feet, is represented by  $x$ . The length of the patio is 6 feet more than twice the width, as shown. Write two expressions to represent the perimeter of the patio.



## © Assessment Practice

11. Which of the following shows a way to factor the expression  $-6x + 18$ ? Select all that apply.

- $-6(x - 3)$   
  $6(-x - 3)$   
  $-6(x + 3)$   
  $6(-x + 3)$   
  $6(x - 3)$

12. Write two expressions that show the product of two factors and are equivalent to  $-15y - 40$ .

