

NAME \_\_\_\_\_

**Module 12** Simplifying Algebraic Expressions  
by Factoring Polynomials  
**Lesson 4** Factoring  $x^2 + bx + c$

**guided  
practice**

**Set 1**

**Factor, if possible.**

1.  $w^2 + 7w + 6$

$(w + 1)(w + 6)$

2.  $d^2 + 9d + 14$

$(d + 2)(d + 7)$

3.  $y^2 + 7y + 12$

$(y + 3)(y + 4)$

**Set 2**

**Factor, if possible.**

1.  $p^2 - 5p - 24$

$(p + 3)(p - 8)$

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

**Cannot be factored; prime**

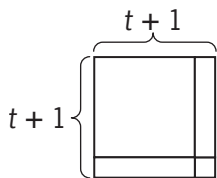
3.  $b^2 + 14b - 32 =$

$(b - 2)(b + 16)$

**Manipulatives Set**

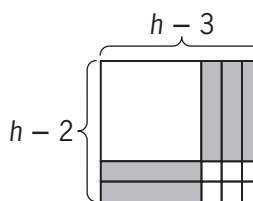
**Factor, if possible.**

1.  $t^2 + 2t + 1$



$(t + 1)(t + 1)$

2.  $h^2 - 5h + 6$



$(h - 2)(h - 3)$

