

NAME \_\_\_\_\_

**Module 12** Simplifying Algebraic Expressions  
by Factoring Polynomials  
**Lesson 3** Factoring The Difference of Two  
Squares

guided  
practice

**Set 1**

1. Factor, if possible:  $m^2 - 9 =$

$(m + 3)(m - 3)$

2. Factor, if possible:  $16 - b^2 =$

$(4 + b)(4 - b)$

**Set 2**

1. Factor, if possible:  $25r^2 - 196 =$

$(5r + 14)(5r - 14)$

2. Factor, if possible:  $x^4 - 625 =$

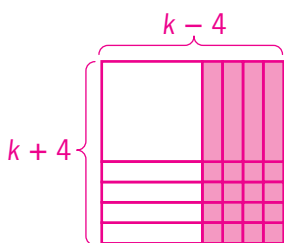
$(x^2 + 25)(x + 5)(x - 5)$

**Manipulatives Set**

**Factor using algebra tiles.**

1. Factor:  $k^2 - 16 =$

$(k + 4)(k - 4)$



2. Factor:  $4a^2 - 1 =$

$(2a + 1)(2a - 1)$

