

## Difference of Squares

Date \_\_\_\_\_ Period \_\_\_\_\_

**Factor each completely.**

1)  $v^2 - 16$

$(v + 4)(v - 4)$

2)  $9n^2 - 25$

$(3n + 5)(3n - 5)$

3)  $4x^2 - 25$

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

4)  $4k^2 - 1$

$(2k + 1)(2k - 1)$

5)  $16n^2 - 25$

$(4n + 5)(4n - 5)$

6)  $n^2 - 25$

$(n + 5)(n - 5)$

7)  $v^2 - 1$

$(v + 1)(v - 1)$

8)  $9x^2 - 4$

$(3x + 2)(3x - 2)$

9)  $50a^2 - 2$

$2(5a + 1)(5a - 1)$

10)  $12b^2 - 75$

$3(2b + 5)(2b - 5)$

11)  $2k^2 - 8$

$2(k + 2)(k - 2)$

12)  $3p^2 - 3$

$3(p + 1)(p - 1)$

13)  $45v^2 - 5$

$5(3v + 1)(3v - 1)$

14)  $18k^2 - 2$

$2(3k + 1)(3k - 1)$