Factoring the Difference of Two Squares

Name ______________________________

Date _________________ Period ______

Difference of Two Perfect Squares

a^2 is perfect square

b^2 is perfect square

$$a^2 - b^2$$

Minus Sign
(difference)

Factoring the Difference of Two Perfect Squares

$$a^2 - b^2 = (a + b)(a - b)$$

Factor the Difference of Two Perfect Squares

$$a^2 - b^2 = (a + b)(a - b)$$

$x^2 - 25$

$x^2 - 64$

$a^2 - 1$

Recognizing the Difference of Two Perfect Squares

$$25x^2 - 4y^2$$

Factor the Difference of Two Perfect Squares

$$a^2 - b^2 = (a + b)(a - b)$$

$9a^2 - 121$

$16k^2 - 49$

$81m^2 - 4n^2$

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