

Factoring the 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

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

$$4x^2 - 64$$

$$x^2 - 81$$

$$9x^2 - 1$$

Factor the Difference of Two Perfect Squares

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

$$4a^2 - 169$$

$$49 - 16a^2$$

$$25m^2 - 9n^2$$

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