

Name

Class

No.

Expansion of Difference of Two Squares

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

Expand the following binomials.

$$\begin{aligned}\text{Example: Expand } (x + 5)(x - 5) &= x(x) + x(-5) + 5(x) + 5(-5) \\ &= x^2 - 5x + 5x - 25 \\ &= x^2 - 25\end{aligned}$$

Important: When you write exponent use ^.

For example: $x^2 = x^2$

1. $(x + 3)(x - 3) =$

2. $(8 + y)(8 - y) =$

3. $(x + y)(x - y) =$

4. $(x + 2y)(x - 2y) =$

5. $(4x + y)(4x - y) =$

6. $(2x + 3a)(2x - 3a) =$