Algebra 1 8.4
Find squares of sums and differences
Find the product of a sum and a difference

sum +
difference −
product ×
EWE
difference of squares

X-factor

Scavenger hunt

GuidedPractice

Find each product.

2A. $(6p - 1)^2$ $= (6p-1)(6p-1)$

$6p-1$

$6p-1$

$-6p+1$

$36p^2-6p$

$36p^2-12p+1$

2B. $(a - 2b)^2$ $-2ab \cdot 2$

$-4ab$

$a-2b$

$a-2b$

$-2ab+4b^2$

a^2-2ab

$a^2-4ab+4b^2$

Example 4 Product of a Sum and a Difference

Find $(2x^2 + 3)(2x^2 - 3)$.

$2x^2+3$

$2x^2-3$

$-6x^2 \quad -9$

$4x^4 \quad 6x^2$

$4x^4-9$

GuidedPractice

Find each product.

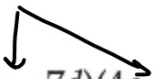
4A. $(3n + 2)(3n - 2)$

$3n + 2$
$3n - 2$

$9n^2 + 6n - 6n - 4$

$9n^2 - 4$

$25x^2 - 16$



4B. $(4c - 7d)(4c + 7d)$

$16c^2 - 4d^2$