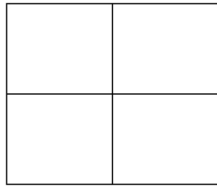


# Multiplying Binomials with Generic Rectangle

Use the generic rectangle to multiply.

1)  $(x + 7)(x + 4)$



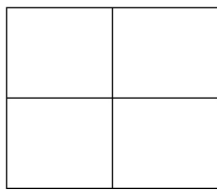
Answer: .....

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



Answer: .....

3)  $(4x + 1)(3x - 5)$



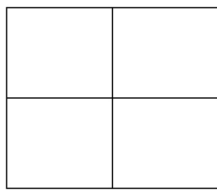
Answer: .....

4)  $(4x + 1)(4x - 1)$



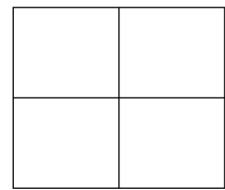
Answer: .....

5)  $(2x + 7)(7x - 2)$



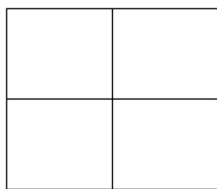
Answer: .....

6)  $(8x + 5)(x - 4)$



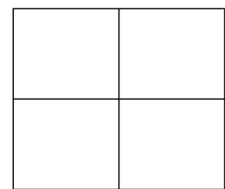
Answer: .....

7)  $(5x + 2)(x + 3)$



Answer: .....

8)  $(x - 3)(x + 11)$



Answer: .....

9)  $(3x + 7)(3x - 7)$



Answer: .....

10)  $(x + 9)(3x - 11)$



Answer: .....

# Multiplying Binomials with Generic Rectangle

## Answers

1)  $(x + 7)(x + 4)$

	$x$	$4$
$x$	$x^2$	$-10x$
$7$	$7x$	$28$

Answer:  $x^2 + 11x + 28$

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

	$x$	$5$
$x$	$x^2$	$5x$
$-2$	$-2x$	$-10$

Answer:  $x^2 + 3x - 10$

3)  $(4x + 1)(3x - 5)$

	$3x$	$-5$
$4x$	$12x^2$	$-20x$
$1$	$3x$	$-5$

Answer:  $12x^2 - 17x - 5$

4)  $(4x + 1)(4x - 1)$

	$4x$	$-1$
$4x$	$16x^2$	$-4x$
$1$	$4x$	$-1$

Answer:  $16x^2 - 1$

5)  $(2x + 7)(7x - 2)$

	$7x$	$-2$
$2x$	$14x^2$	$-4x$
$7$	$49x$	$-14$

Answer:  $14x^2 + 45x - 14$

6)  $(8x + 5)(x - 4)$

	$x$	$-4$
$x$	$8x^2$	$-32x$
$-2$	$5x$	$-20$

Answer:  $8x^2 - 27x - 20$

7)  $(5x + 2)(x + 3)$

	$x$	$3$
$5x$	$5x^2$	$15x$
$2$	$2x$	$6$

Answer:  $5x^2 + 17x + 6$

8)  $(x - 3)(x + 11)$

	$x$	$11$
$x$	$x^2$	$11x$
$-3$	$-3x$	$-33$

Answer:  $x^2 + 8x - 33$

9)  $(3x + 7)(3x - 7)$

	$x$	$-7$
$3x$	$9x^2$	$-21x$
$7$	$21x$	$-49$

Answer:  $9x^2 - 49$

10)  $(x + 9)(3x - 11)$

	$3x$	$-11$
$x$	$3x^2$	$-11x$
$9$	$27x$	$-99$

Answer:  $3x^2 + 16x - 99$