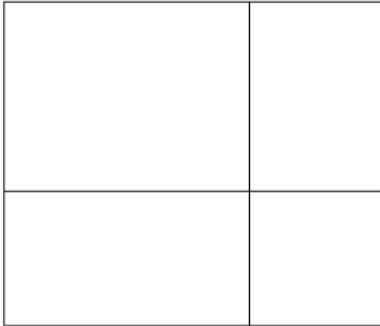


# MULTIPLYING BINOMIALS Using AREA MODEL

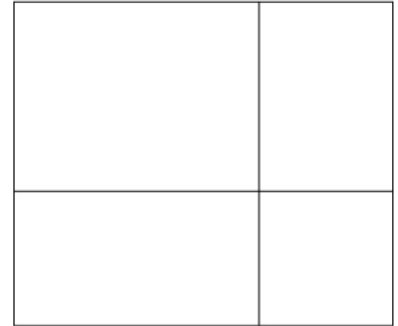
Draw a model to represent and find the product.

①  $(-7x + 8)(3x + 4)$



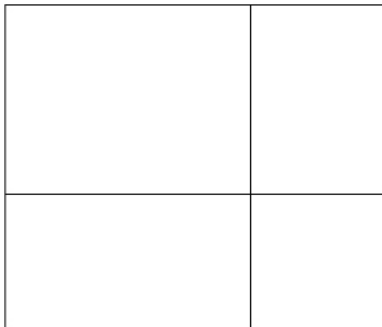
Answer:

②  $(4x + 6)(-5x + 1)$



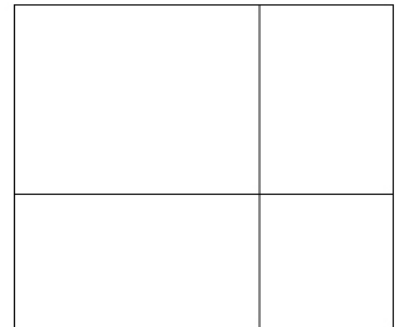
Answer:

③  $(x - 7)(3x + 1)$



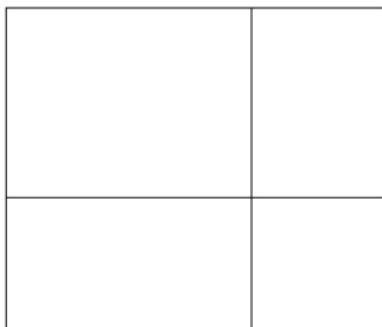
Answer:

④  $(2x - 5)(x + 4)$



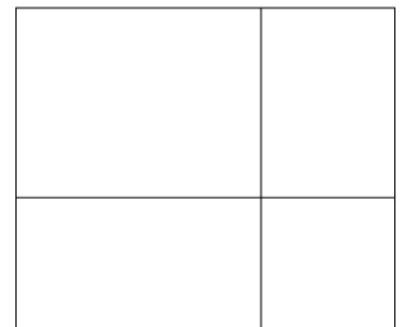
Answer:

⑤  $(4x + 3)(8x + 5)$



Answer:

⑥  $(x - 11)(2x + 3)$



Answer:

# MULTIPLYING BINOMIALS Using AREA MODEL

## Answers

①  $(-7x + 8)(3x + 4)$

		$3x$	$4$
$-7x$	$-21x^2$	$-28x$	
$8$	$24x$	$32$	

Answer:  $-21x^2 - 4x + 32$

②  $(4x + 6)(-5x + 1)$

		$-5x$	$1$
$4x$	$-20x^2$	$4x$	
$6$	$-30x$	$6$	

Answer:  $-20x^2 - 26x + 6$

③  $(x - 7)(3x + 1)$

		$3x$	$1$
$x$	$3x^2$	$x$	
$-7$	$-21x$	$-7$	

Answer:  $3x^2 - 20x - 7$

④  $(2x - 5)(x + 4)$

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

Answer:  $2x^2 + 3x - 20$

⑤  $(4x + 3)(8x + 5)$

		$8x$	$5$
$4x$	$32x^2$	$20x$	
$3$	$24x$	$15$	

Answer:  $32x^2 + 44x + 15$

⑥  $(x - 11)(2x + 3)$

		$2x$	$3$
$x$	$2x^2$	$3x$	
$-11$	$-22x$	$-33$	

Answer:  $2x^2 - 19x - 33$