

name

date

period

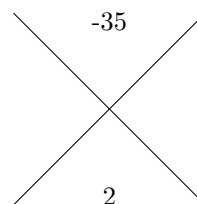
Batch 505095e7

Factoring Quadratic Polynomials

Version 1

(1) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 + 2x - 35$

Find two numbers whose product equals the top and whose sum equals the bottom.



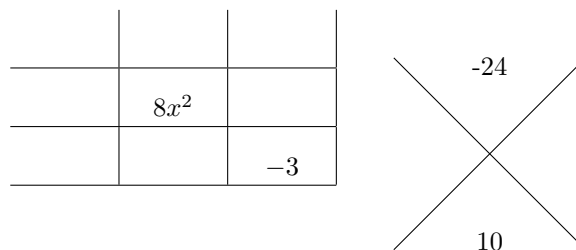
(2) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 - 11x + 28$

(3) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 + 3x - 40$

(4) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 + 6x - 27$

(5) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 - 3x - 18$

(6) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 8x^2 + 10x - 3$



(7) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 6x^2 + 17x + 5$

(8) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 8x^2 - 18x - 5$

(9) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 12x^2 + 13x + 3$

(10) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 15x^2 - 13x + 2$

name

date

period

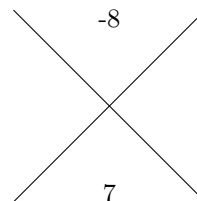
Batch 505095e7

Factoring Quadratic Polynomials

Version 2

(1) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 + 7x - 8$

Find two numbers whose product equals the top and whose sum equals the bottom.



(2) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 - 2x - 63$

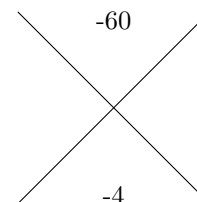
(3) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 + 13x + 40$

(4) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 + 2x - 48$

(5) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 + x - 42$

(6) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 15x^2 - 4x - 4$

	$15x^2$	
		-4



(7) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 4x^2 - 16x + 7$

(8) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 9x^2 + 21x + 10$

(9) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 10x^2 + 3x - 1$

(10) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 8x^2 - 6x + 1$

name

date

period

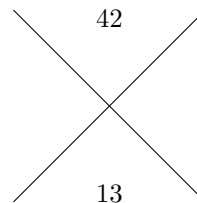
Batch 505095e7

Factoring Quadratic Polynomials

Version 3

(1) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 + 13x + 42$

Find two numbers whose product equals the top and whose sum equals the bottom.



(2) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 - 5x + 4$

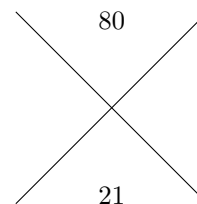
(3) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 - 18x + 81$

(4) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 + 12x + 36$

(5) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 - x - 20$

(6) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 20x^2 + 21x + 4$

	$20x^2$	
		4



(7) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 25x^2 + 5x - 2$

(8) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 16x^2 - 16x - 21$

(9) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 15x^2 + x - 2$

(10) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 16x^2 + 24x - 7$

name

date

period

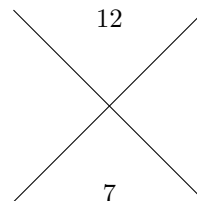
Batch 505095e7

Factoring Quadratic Polynomials

Version 4

(1) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 + 7x + 12$

Find two numbers whose product equals the top and whose sum equals the bottom.



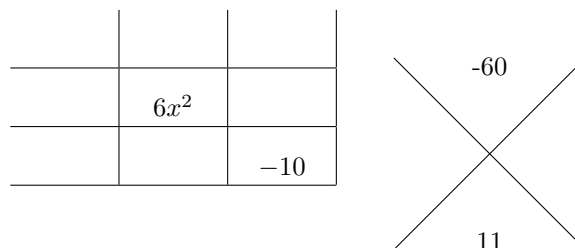
(2) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 + x - 6$

(3) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 + 4x - 21$

(4) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 - 36$

(5) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 - 16x + 63$

(6) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 6x^2 + 11x - 10$



(7) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 4x^2 - 8x + 3$

(8) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 9x^2 + 15x + 4$

(9) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 25x^2 + 25x + 4$

(10) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 4x^2 - 8x - 5$

name

date

period

Batch 505095e7

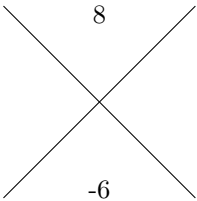
Factoring Quadratic Polynomials

Version 5

(1)

$= x^2 - 6x + 8$

Find two numbers whose product equals the top and whose sum equals the bottom.



(2)

$= x^2 - 12x + 36$

(3)

$= x^2 + 12x + 27$

(4)

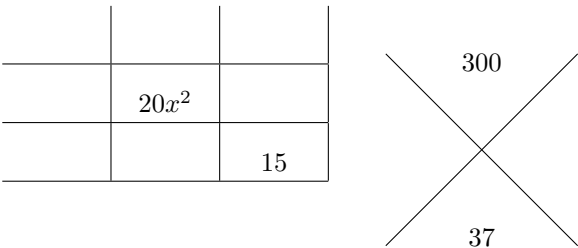
$= x^2 - 3x - 10$

(5)

$= x^2 + 6x + 5$

(6)

$= 20x^2 + 37x + 15$



(7)

$= 8x^2 + 10x + 3$

(8)

$= 20x^2 + 21x - 5$

(9)

$= 15x^2 + 8x - 16$

(10)

$= 20x^2 - 9x - 20$

name

date

period

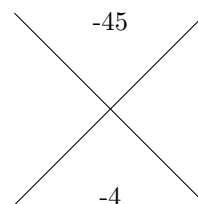
Batch 505095e7

Factoring Quadratic Polynomials

Version 6

(1) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 - 4x - 45$

Find two numbers whose product equals the top and whose sum equals the bottom.



(2) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 - x - 42$

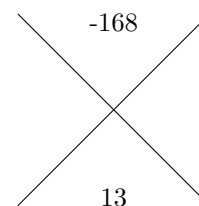
(3) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 + 10x + 16$

(4) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 - 4x + 3$

(5) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 - 5x - 6$

(6) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 12x^2 + 13x - 14$

	$12x^2$	
		-14



(7) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 12x^2 + 17x - 5$

(8) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 8x^2 - 34x + 35$

(9) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 10x^2 - 17x + 3$

(10) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 12x^2 + 37x + 28$

name

date

period

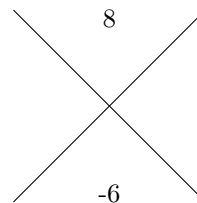
Batch 505095e7

Factoring Quadratic Polynomials

Version 7

(1) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 - 6x + 8$

Find two numbers whose product equals the top and whose sum equals the bottom.



(2) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 - 64$

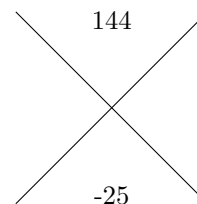
(3) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 - 8x + 16$

(4) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 - 3x - 40$

(5) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 - 8x + 7$

(6) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 12x^2 - 25x + 12$

	$12x^2$	
		12



(7) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 9x^2 - 15x + 4$

(8) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 8x^2 - 10x + 3$

(9) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 16x^2 + 40x + 25$

(10) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 8x^2 - 14x + 3$

name

date

period

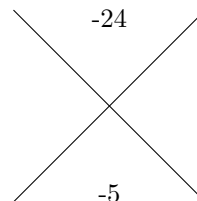
Batch 505095e7

Factoring Quadratic Polynomials

Version 8

(1) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 - 5x - 24$

Find two numbers whose product equals the top and whose sum equals the bottom.



(2) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 - 4x + 3$

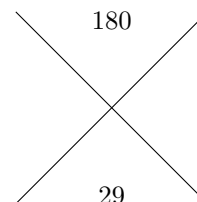
(3) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 - 3x - 18$

(4) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 - x - 72$

(5) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 + 12x + 35$

(6) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 15x^2 + 29x + 12$

	$15x^2$	
		12



(7) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 8x^2 - 10x + 3$

(8) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 9x^2 + 27x + 14$

(9) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 8x^2 - 14x + 5$

(10) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 12x^2 + 35x + 25$

name

date

period

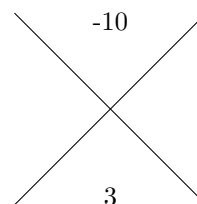
Batch 505095e7

Factoring Quadratic Polynomials

Version 9

(1) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 + 3x - 10$

Find two numbers whose product equals the top and whose sum equals the bottom.



(2) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 + 9x + 14$

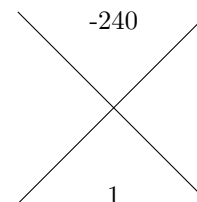
(3) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 + 2x - 48$

(4) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 - 11x + 28$

(5) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 - 13x + 42$

(6) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 12x^2 + x - 20$

	$12x^2$	
		-20



(7) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 15x^2 - 2x - 1$

(8) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 20x^2 + 41x + 20$

(9) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 4x^2 + 4x - 15$

(10) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 12x^2 - 5x - 2$

name

date

period

Batch 505095e7

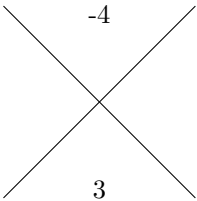
Factoring Quadratic Polynomials

Version 10

(1)

$= x^2 + 3x - 4$

Find two numbers whose product equals the top and whose sum equals the bottom.



(2)

$= x^2 + x - 56$

(3)

$= x^2 - 3x + 2$

(4)

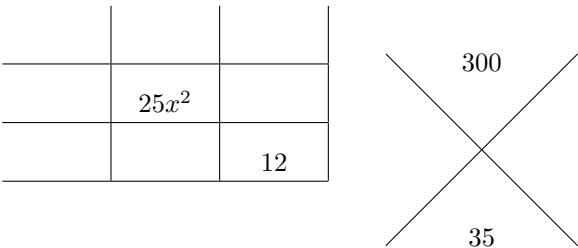
$= x^2 + 6x + 8$

(5)

$= x^2 + 2x - 48$

(6)

$= 25x^2 + 35x + 12$



(7)

$= 6x^2 + 5x - 6$

(8)

$= 12x^2 + 11x - 15$

(9)

$= 20x^2 + 7x - 3$

(10)

$= 12x^2 + 17x - 5$

name

date

period

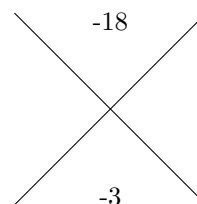
Batch 505095e7

Factoring Quadratic Polynomials

Version 11

(1) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 - 3x - 18$

Find two numbers whose product equals the top and whose sum equals the bottom.



(2) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 + 3x - 40$

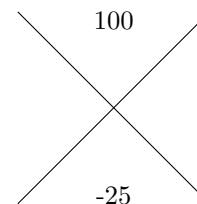
(3) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 + 9x + 14$

(4) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 + 3x - 54$

(5) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 + x - 6$

(6) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 25x^2 - 25x + 4$

	$25x^2$	
		4



(7) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 9x^2 - 1$

(8) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 4x^2 - 12x + 9$

(9) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 25x^2 - 20x + 4$

(10) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 16x^2 + 24x - 7$

name

date

period

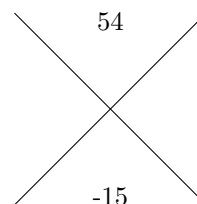
Batch 505095e7

Factoring Quadratic Polynomials

Version 12

(1) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 - 15x + 54$

Find two numbers whose product equals the top and whose sum equals the bottom.



(2) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 - x - 6$

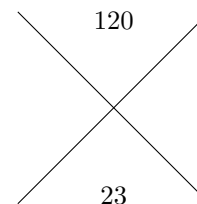
(3) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 - 14x + 49$

(4) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 - 9x + 14$

(5) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 + 5x - 14$

(6) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 12x^2 + 23x + 10$

	$12x^2$	
		10



(7) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 12x^2 + 5x - 2$

(8) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 20x^2 - x - 12$

(9) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 12x^2 + x - 6$

(10) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 15x^2 - 11x + 2$

name

date

period

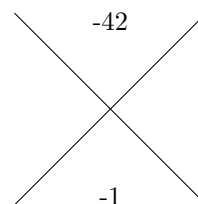
Batch 505095e7

Factoring Quadratic Polynomials

Version 13

(1) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 - x - 42$

Find two numbers whose product equals the top and whose sum equals the bottom.



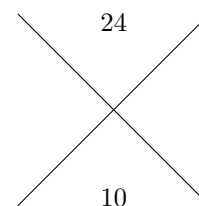
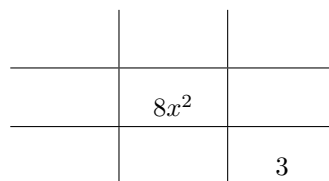
(2) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 - 10x + 9$

(3) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 - 2x - 35$

(4) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 + 2x - 35$

(5) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 - 6x - 27$

(6) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 8x^2 + 10x + 3$



(7) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 15x^2 - 22x + 8$

(8) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 10x^2 + 19x - 15$

(9) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 4x^2 - 4x - 35$

(10) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 10x^2 + 3x - 4$

name

date

period

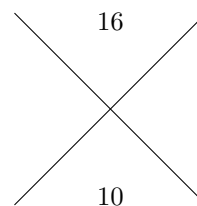
Batch 505095e7

Factoring Quadratic Polynomials

Version 14

(1) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 + 10x + 16$

Find two numbers whose product equals the top and whose sum equals the bottom.



(2) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 + 14x + 45$

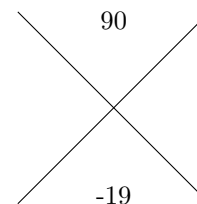
(3) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 + 8x + 15$

(4) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 - 8x - 9$

(5) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 - 10x + 24$

(6) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 6x^2 - 19x + 15$

	$6x^2$	
		15



(7) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 8x^2 - 10x + 3$

(8) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 25x^2 + 5x - 12$

(9) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 8x^2 - 2x - 3$

(10) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 25x^2 - 10x - 3$

name

date

period

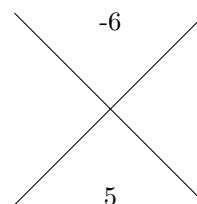
Batch 505095e7

Factoring Quadratic Polynomials

Version 15

(1) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 + 5x - 6$

Find two numbers whose product equals the top and whose sum equals the bottom.



(2) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 + x - 42$

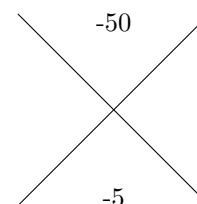
(3) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 + 5x + 6$

(4) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 + 2x - 8$

(5) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 + 4x - 21$

(6) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 25x^2 - 5x - 2$

	$25x^2$	
		-2



(7) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 9x^2 + 12x - 5$

(8) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 20x^2 - 17x - 10$

(9) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 12x^2 - x - 35$

(10) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 8x^2 - 2x - 1$

name

date

period

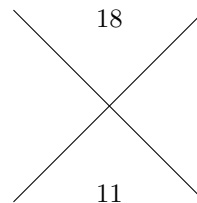
Batch 505095e7

Factoring Quadratic Polynomials

Version 16

(1) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 + 11x + 18$

Find two numbers whose product equals the top and whose sum equals the bottom.



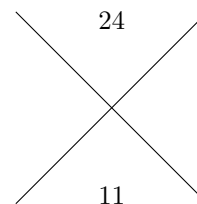
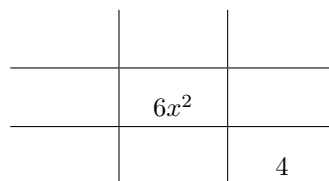
(2) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 - 3x - 4$

(3) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 + 6x + 8$

(4) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 + 12x + 27$

(5) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 + 9x + 18$

(6) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 6x^2 + 11x + 4$



(7) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 16x^2 + 8x - 15$

(8) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 8x^2 - 2x - 1$

(9) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 6x^2 + 17x - 14$

(10) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 9x^2 - 1$

name

date

period

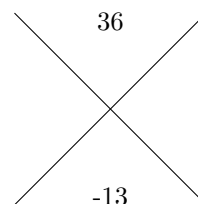
Batch 505095e7

Factoring Quadratic Polynomials

Version 17

(1) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 - 13x + 36$

Find two numbers whose product equals the top and whose sum equals the bottom.



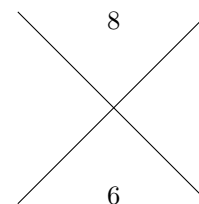
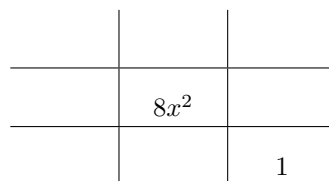
(2) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 + x - 30$

(3) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 - 2x - 48$

(4) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 - 9x + 14$

(5) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 + 9x + 14$

(6) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 8x^2 + 6x + 1$



(7) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 10x^2 + 23x - 5$

(8) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 20x^2 - 21x - 5$

(9) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 10x^2 - 7x - 12$

(10) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 9x^2 - 3x - 20$

name

date

period

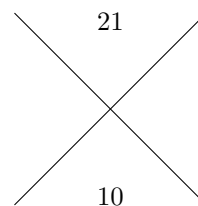
Batch 505095e7

Factoring Quadratic Polynomials

Version 18

(1) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 + 10x + 21$

Find two numbers whose product equals the top and whose sum equals the bottom.



(2) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 + 8x + 7$

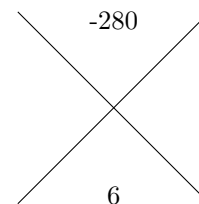
(3) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 - 18x + 81$

(4) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 + x - 2$

(5) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 - 16x + 63$

(6) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 8x^2 + 6x - 35$

	$8x^2$	
		-35



(7) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 16x^2 - 25$

(8) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 6x^2 - 5x - 6$

(9) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 12x^2 - 31x + 20$

(10) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 20x^2 + 21x + 4$

name

date

period

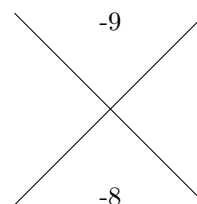
Batch 505095e7

Factoring Quadratic Polynomials

Version 19

(1) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 - 8x - 9$

Find two numbers whose product equals the top and whose sum equals the bottom.



(2) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 + 13x + 42$

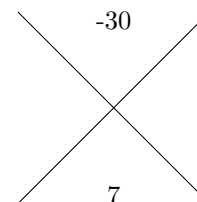
(3) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 + 7x + 12$

(4) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 + 5x - 6$

(5) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 + 2x - 15$

(6) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 15x^2 + 7x - 2$

	$15x^2$	
		-2



(7) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 12x^2 - x - 20$

(8) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 4x^2 - 16x + 15$

(9) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 20x^2 - 11x - 4$

(10) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 6x^2 + 17x + 5$

name

date

period

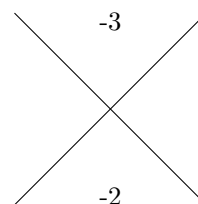
Batch 505095e7

Factoring Quadratic Polynomials

Version 20

(1) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 - 2x - 3$

Find two numbers whose product equals the top and whose sum equals the bottom.



(2) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 + 11x + 28$

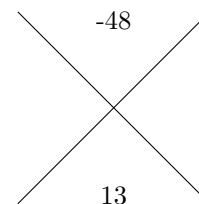
(3) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 - 3x - 40$

(4) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 + 6x + 5$

(5) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 - 3x - 10$

(6) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 12x^2 + 13x - 4$

	$12x^2$	
		-4



(7) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 6x^2 - 19x - 7$

(8) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 6x^2 + 19x + 10$

(9) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 6x^2 + 17x + 5$

(10) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 12x^2 + 5x - 2$

name

date

period

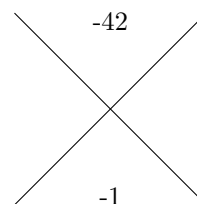
Batch 505095e7

Factoring Quadratic Polynomials

Version 21

(1) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 - x - 42$

Find two numbers whose product equals the top and whose sum equals the bottom.



(2) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 - x - 6$

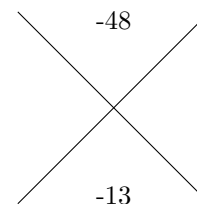
(3) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 + 13x + 42$

(4) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 - 6x + 8$

(5) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 + 5x - 14$

(6) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 12x^2 - 13x - 4$

	$12x^2$	
		-4



(7) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 4x^2 - 9$

(8) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 20x^2 - 27x - 14$

(9) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 25x^2 + 15x - 4$

(10) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 20x^2 + 9x - 20$

name

date

period

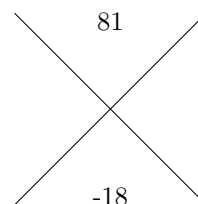
Batch 505095e7

Factoring Quadratic Polynomials

Version 22

(1) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 - 18x + 81$

Find two numbers whose product equals the top and whose sum equals the bottom.



(2) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 + 6x + 9$

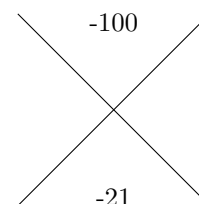
(3) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 + 17x + 72$

(4) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 - 10x + 16$

(5) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 + 5x - 24$

(6) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 10x^2 - 21x - 10$

	$10x^2$	
		-10



(7) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 4x^2 - 4x - 35$

(8) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 6x^2 + 5x + 1$

(9) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 12x^2 - 23x + 5$

(10) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 20x^2 + 17x + 3$

name

date

period

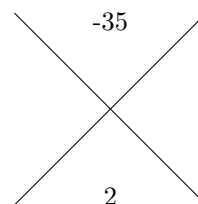
Batch 505095e7

Factoring Quadratic Polynomials

Version 23

(1) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 + 2x - 35$

Find two numbers whose product equals the top and whose sum equals the bottom.



(2) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 - 13x + 42$

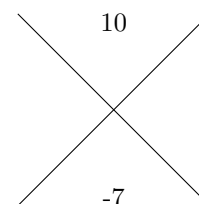
(3) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 - x - 20$

(4) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 + 3x - 4$

(5) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 + 8x + 12$

(6) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 10x^2 - 7x + 1$

	$10x^2$	
		1



(7) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 8x^2 - 10x - 3$

(8) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 6x^2 - 17x + 12$

(9) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 25x^2 - 5x - 6$

(10) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 25x^2 + 35x + 12$

name

date

period

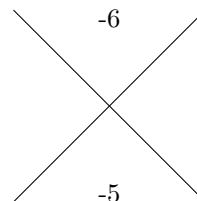
Batch 505095e7

Factoring Quadratic Polynomials

Version 24

(1) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 - 5x - 6$

Find two numbers whose product equals the top and whose sum equals the bottom.



(2) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 - 2x - 63$

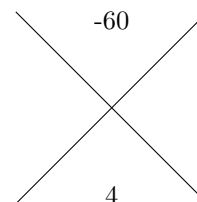
(3) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 - 16x + 64$

(4) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 - 7x + 12$

(5) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 + 12x + 35$

(6) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 4x^2 + 4x - 15$

	$4x^2$	
		-15



(7) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 10x^2 - 31x + 15$

(8) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 8x^2 + 18x - 35$

(9) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 20x^2 - 7x - 3$

(10) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 9x^2 - 3x - 20$

name

date

period

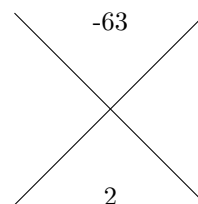
Batch 505095e7

Factoring Quadratic Polynomials

Version 25

(1) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 + 2x - 63$

Find two numbers whose product equals the top and whose sum equals the bottom.



(2) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 - 15x + 56$

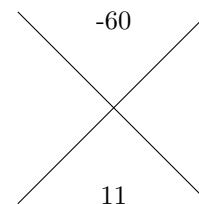
(3) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 - x - 56$

(4) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 - 6x - 7$

(5) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= x^2 - 3x - 54$

(6) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 20x^2 + 11x - 3$

	$20x^2$	
		-3



(7) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 25x^2 + 15x + 2$

(8) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 8x^2 + 6x + 1$

(9) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 4x^2 + 12x + 9$

(10) $\left(\boxed{}\right)\left(\boxed{}\right)$
 $= 15x^2 + 13x - 20$

Version 1

(1)	x+7	x-5			
(2)	x-7	x-4	(3)	x+8	x-5
(4)	x-3	x+9	(5)	x+3	x-6
(6)	2x+3	4x-1			
(7)	2x+5	3x+1	(8)	4x+1	2x-5
(9)	4x+3	3x+1	(10)	3x-2	5x-1

Version 2

(1)	x-1	x+8			
(2)	x+7	x-9	(3)	x+5	x+8
(4)	x-6	x+8	(5)	x+7	x-6
(6)	3x-2	5x+2			
(7)	2x-7	2x-1	(8)	3x+2	3x+5
(9)	5x-1	2x+1	(10)	4x-1	2x-1

Version 3

(1)	x+6	x+7			
(2)	x-1	x-4	(3)	x-9	x-9
(4)	x+6	x+6	(5)	x-5	x+4
(6)	5x+4	4x+1			
(7)	5x-1	5x+2	(8)	4x-7	4x+3
(9)	5x+2	3x-1	(10)	4x-1	4x+7

Version 4

(1)	x+4	x+3			
(2)	x-2	x+3	(3)	x+7	x-3
(4)	x+6	x-6	(5)	x-9	x-7
(6)	3x-2	2x+5			
(7)	2x-3	2x-1	(8)	3x+4	3x+1
(9)	5x+4	5x+1	(10)	2x-5	2x+1

Version 5

(1)	x-4	x-2			
(2)	x-6	x-6	(3)	x+9	x+3
(4)	x+2	x-5	(5)	x+1	x+5
(6)	5x+3	4x+5			
(7)	4x+3	2x+1	(8)	5x-1	4x+5
(9)	5x-4	3x+4	(10)	5x+4	4x-5

Version 6

(1)	x+5	x-9			
(2)	x+6	x-7	(3)	x+2	x+8
(4)	x-3	x-1	(5)	x-6	x+1
(6)	3x-2	4x+7			
(7)	3x+5	4x-1	(8)	2x-5	4x-7
(9)	2x-3	5x-1	(10)	3x+4	4x+7

Version 7

(1)	x-2	x-4			
(2)	x+8	x-8	(3)	x-4	x-4
(4)	x+5	x-8	(5)	x-7	x-1
(6)	3x-4	4x-3			
(7)	3x-4	3x-1	(8)	2x-1	4x-3
(9)	4x+5	4x+5	(10)	4x-1	2x-3

Version 8

(1)	x+3	x-8			
(2)	x-1	x-3	(3)	x-6	x+3
(4)	x+8	x-9	(5)	x+7	x+5
(6)	3x+4	5x+3			
(7)	4x-3	2x-1	(8)	3x+7	3x+2
(9)	2x-1	4x-5	(10)	4x+5	3x+5

Version 9

(1)	x+5	x-2			
(2)	x+7	x+2	(3)	x-6	x+8
(4)	x-7	x-4	(5)	x-6	x-7
(6)	4x-5	3x+4			
(7)	5x+1	3x-1	(8)	4x+5	5x+4
(9)	2x+5	2x-3	(10)	3x-2	4x+1

Version 10

(1)	x-1	x+4			
(2)	x-7	x+8	(3)	x-1	x-2
(4)	x+2	x+4	(5)	x+8	x-6
(6)	5x+4	5x+3			
(7)	2x+3	3x-2	(8)	3x+5	4x-3
(9)	5x+3	4x-1	(10)	3x+5	4x-1

Version 11

(1)	x+3	x-6			
(2)	x-5	x+8	(3)	x+7	x+2
(4)	x+9	x-6	(5)	x-2	x+3
(6)	5x-4	5x-1			
(7)	3x-1	3x+1	(8)	2x-3	2x-3
(9)	5x-2	5x-2	(10)	4x+7	4x-1

Version 12

(1)	x-9	x-6			
(2)	x+2	x-3	(3)	x-7	x-7
(4)	x-7	x-2	(5)	x+7	x-2
(6)	3x+2	4x+5			
(7)	3x+2	4x-1	(8)	5x-4	4x+3
(9)	3x-2	4x+3	(10)	5x-2	3x-1

Version 13

(1)	x-7	x+6			
(2)	x-9	x-1	(3)	x-7	x+5
(4)	x-5	x+7	(5)	x-9	x+3
(6)	2x+1	4x+3			
(7)	3x-2	5x-4	(8)	5x-3	2x+5
(9)	2x-7	2x+5	(10)	5x+4	2x-1

Version 14

(1)	x+8	x+2			
(2)	x+9	x+5	(3)	x+5	x+3
(4)	x+1	x-9	(5)	x-6	x-4
(6)	3x-5	2x-3			
(7)	2x-1	4x-3	(8)	5x-3	5x+4
(9)	2x+1	4x-3	(10)	5x+1	5x-3

Version 15

(1)	x+6	x-1			
(2)	x+7	x-6	(3)	x+2	x+3
(4)	x+4	x-2	(5)	x-3	x+7
(6)	5x+1	5x-2			
(7)	3x+5	3x-1	(8)	4x-5	5x+2
(9)	4x-7	3x+5	(10)	4x+1	2x-1

Version 16

(1)	x+9	x+2			
(2)	x+1	x-4	(3)	x+2	x+4
(4)	x+3	x+9	(5)	x+3	x+6
(6)	2x+1	3x+4			
(7)	4x+5	4x-3	(8)	4x+1	2x-1
(9)	2x+7	3x-2	(10)	3x-1	3x+1

Version 17

(1)	x-4	x-9			
(2)	x-5	x+6	(3)	x-8	x+6
(4)	x-7	x-2	(5)	x+7	x+2
(6)	2x+1	4x+1			
(7)	2x+5	5x-1	(8)	4x-5	5x+1
(9)	5x+4	2x-3	(10)	3x-5	3x+4

Version 18

(1)	x+3	x+7			
(2)	x+7	x+1	(3)	x-9	x-9
(4)	x-1	x+2	(5)	x-9	x-7
(6)	4x-7	2x+5			
(7)	4x-5	4x+5	(8)	2x-3	3x+2
(9)	4x-5	3x-4	(10)	5x+4	4x+1

Version 19

(1)	x+1	x-9			
(2)	x+7	x+6	(3)	x+3	x+4
(4)	x-1	x+6	(5)	x+5	x-3
(6)	3x+2	5x-1			
(7)	4x+5	3x-4	(8)	2x-3	2x-5
(9)	4x+1	5x-4	(10)	3x+1	2x+5

Version 20

(1)	x+1	x-3			
(2)	x+4	x+7	(3)	x+5	x-8
(4)	x+1	x+5	(5)	x-5	x+2
(6)	4x-1	3x+4			
(7)	3x+1	2x-7	(8)	2x+5	3x+2
(9)	3x+1	2x+5	(10)	3x+2	4x-1

Version 21

(1)	x+6	x-7			
(2)	x+2	x-3	(3)	x+6	x+7
(4)	x-4	x-2	(5)	x-2	x+7
(6)	4x+1	3x-4			
(7)	2x-3	2x+3	(8)	4x-7	5x+2
(9)	5x+4	5x-1	(10)	5x-4	4x+5

Version 22

(1)	x-9	x-9			
(2)	x+3	x+3	(3)	x+9	x+8
(4)	x-2	x-8	(5)	x+8	x-3
(6)	5x+2	2x-5			
(7)	2x-7	2x+5	(8)	3x+1	2x+1
(9)	4x-1	3x-5	(10)	4x+1	5x+3

Version 23

(1)	x-5	x+7			
(2)	x-7	x-6	(3)	x-5	x+4
(4)	x+4	x-1	(5)	x+6	x+2
(6)	5x-1	2x-1			
(7)	2x-3	4x+1	(8)	3x-4	2x-3
(9)	5x-3	5x+2	(10)	5x+4	5x+3

Version 24

(1)	x+1	x-6			
(2)	x+7	x-9	(3)	x-8	x-8
(4)	x-4	x-3	(5)	x+7	x+5
(6)	2x-3	2x+5			
(7)	5x-3	2x-5	(8)	2x+7	4x-5
(9)	5x-3	4x+1	(10)	3x-5	3x+4

Version 25

(1)	$x+9$	$x-7$			
(2)	$x-8$	$x-7$	(3)	$x-8$	$x+7$
(4)	$x+1$	$x-7$	(5)	$x+6$	$x-9$
(6)	$4x+3$	$5x-1$			
(7)	$5x+2$	$5x+1$	(8)	$2x+1$	$4x+1$
(9)	$2x+3$	$2x+3$	(10)	$3x+5$	$5x-4$