

## Factoring Quadratic Expressions (B)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Factor each expression.

1.  $4x^2 + 12x + 5$

11.  $4x^2 - 17x + 4$

2.  $4x^2 - 21x + 5$

12.  $3x^2 - 22x + 7$

3.  $3x^2 - 19x - 40$

13.  $2x^2 + 15x - 27$

4.  $3x^2 - x - 24$

14.  $3x^2 - 22x + 35$

5.  $2x^2 - 3x - 35$

15.  $4x^2 + 19x - 63$

6.  $x^2 - 15x + 54$

16.  $4x^2 - 7x + 3$

7.  $4x^2 - 9x + 2$

17.  $x^2 - 17x + 72$

8.  $x^2 - 12x + 27$

18.  $4x^2 - 19x - 30$

9.  $4x^2 + 23x - 35$

19.  $2x^2 + 3x - 9$

10.  $4x^2 + 39x + 27$

20.  $3x^2 + 5x + 2$

# Factoring Quadratic Expressions (B) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Factor each expression.

1.  $4x^2 + 12x + 5$

$(2x + 5)(2x + 1)$

2.  $4x^2 - 21x + 5$

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

3.  $3x^2 - 19x - 40$

$(3x + 5)(x - 8)$

4.  $3x^2 - x - 24$

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

5.  $2x^2 - 3x - 35$

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

6.  $x^2 - 15x + 54$

$(x - 9)(x - 6)$

7.  $4x^2 - 9x + 2$

$(x - 2)(4x - 1)$

8.  $x^2 - 12x + 27$

$(x - 3)(x - 9)$

9.  $4x^2 + 23x - 35$

$(x + 7)(4x - 5)$

10.  $4x^2 + 39x + 27$

$(x + 9)(4x + 3)$

11.  $4x^2 - 17x + 4$

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

12.  $3x^2 - 22x + 7$

$(3x - 1)(x - 7)$

13.  $2x^2 + 15x - 27$

$(2x - 3)(x + 9)$

14.  $3x^2 - 22x + 35$

$(3x - 7)(x - 5)$

15.  $4x^2 + 19x - 63$

$(4x - 9)(x + 7)$

16.  $4x^2 - 7x + 3$

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

17.  $x^2 - 17x + 72$

$(x - 8)(x - 9)$

18.  $4x^2 - 19x - 30$

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

19.  $2x^2 + 3x - 9$

$(x + 3)(2x - 3)$

20.  $3x^2 + 5x + 2$

$(3x + 2)(x + 1)$