

# Factoring Quadratic Expressions (D)

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

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

Factor each expression.

1.  $4x^2 + 8x - 45$

11.  $4x^2 - 15x + 9$

2.  $2x^2 - 17x + 35$

12.  $4x^2 - 19x - 63$

3.  $4x^2 - 4x - 15$

13.  $2x^2 + 5x - 18$

4.  $2x^2 - 11x - 40$

14.  $4x^2 - 41x + 45$

5.  $3x^2 - 25x + 8$

15.  $3x^2 + 19x + 28$

6.  $3x^2 - 32x + 64$

16.  $2x^2 + x - 36$

7.  $2x^2 - 15x + 27$

17.  $3x^2 - 14x + 16$

8.  $4x^2 + 17x - 42$

18.  $4x^2 - 28x + 45$

9.  $4x^2 - 11x + 6$

19.  $4x^2 + 8x - 5$

10.  $2x^2 - 17x + 8$

20.  $4x^2 + x - 18$

# Factoring Quadratic Expressions (D) Answers

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

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

Factor each expression.

1.  $4x^2 + 8x - 45$

$(2x + 9)(2x - 5)$

2.  $2x^2 - 17x + 35$

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

3.  $4x^2 - 4x - 15$

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

4.  $2x^2 - 11x - 40$

$(2x + 5)(x - 8)$

5.  $3x^2 - 25x + 8$

$(3x - 1)(x - 8)$

6.  $3x^2 - 32x + 64$

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

7.  $2x^2 - 15x + 27$

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

8.  $4x^2 + 17x - 42$

$(x + 6)(4x - 7)$

9.  $4x^2 - 11x + 6$

$(4x - 3)(x - 2)$

10.  $2x^2 - 17x + 8$

$(x - 8)(2x - 1)$

11.  $4x^2 - 15x + 9$

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

12.  $4x^2 - 19x - 63$

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

13.  $2x^2 + 5x - 18$

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

14.  $4x^2 - 41x + 45$

$(4x - 5)(x - 9)$

15.  $3x^2 + 19x + 28$

$(3x + 7)(x + 4)$

16.  $2x^2 + x - 36$

$(x - 4)(2x + 9)$

17.  $3x^2 - 14x + 16$

$(x - 2)(3x - 8)$

18.  $4x^2 - 28x + 45$

$(2x - 9)(2x - 5)$

19.  $4x^2 + 8x - 5$

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

20.  $4x^2 + x - 18$

$(x - 2)(4x + 9)$