

# Factoring Quadratic Expressions (A)

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

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

Factor each expression.

1.  $2x^2 + 9x + 7$

11.  $3x^2 - 13x - 10$

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

12.  $2x^2 - 11x - 40$

3.  $5x^2 - 39x + 28$

13.  $5x^2 - 32x + 12$

4.  $3x^2 + 26x - 9$

14.  $3x^2 + 13x + 14$

5.  $3x^2 - x - 10$

15.  $5x^2 - 39x - 54$

6.  $3x^2 - 11x + 8$

16.  $4x^2 - x - 5$

7.  $2x^2 + 13x + 18$

17.  $2x^2 + 13x + 20$

8.  $4x^2 - 15x + 9$

18.  $5x^2 - 22x + 21$

9.  $3x^2 - 13x + 4$

19.  $x^2 - 2x - 48$

10.  $4x^2 - 33x + 8$

20.  $3x^2 + 19x + 28$

# Factoring Quadratic Expressions (A) Answers

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

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

Factor each expression.

1.  $2x^2 + 9x + 7$

$(x + 1)(2x + 7)$

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

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

3.  $5x^2 - 39x + 28$

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

4.  $3x^2 + 26x - 9$

$(3x - 1)(x + 9)$

5.  $3x^2 - x - 10$

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

6.  $3x^2 - 11x + 8$

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

7.  $2x^2 + 13x + 18$

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

8.  $4x^2 - 15x + 9$

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

9.  $3x^2 - 13x + 4$

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

10.  $4x^2 - 33x + 8$

$(x - 8)(4x - 1)$

11.  $3x^2 - 13x - 10$

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

12.  $2x^2 - 11x - 40$

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

13.  $5x^2 - 32x + 12$

$(x - 6)(5x - 2)$

14.  $3x^2 + 13x + 14$

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

15.  $5x^2 - 39x - 54$

$(x - 9)(5x + 6)$

16.  $4x^2 - x - 5$

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

17.  $2x^2 + 13x + 20$

$(2x + 5)(x + 4)$

18.  $5x^2 - 22x + 21$

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

19.  $x^2 - 2x - 48$

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

20.  $3x^2 + 19x + 28$

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