

# Factoring Quadratic Expressions (A)

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

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

Factor each expression.

1.  $6x^2 - 5x + 1$

11.  $5x^2 + 18x + 9$

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

12.  $8x^2 - 9x + 1$

3.  $5x^2 - 36x - 81$

13.  $6x^2 - 35x + 49$

4.  $2x^2 - 7x - 72$

14.  $9x^2 - 49x + 20$

5.  $8x^2 + 42x + 49$

15.  $5x^2 - 18x + 16$

6.  $7x^2 + 18x - 9$

16.  $x^2 - 9x + 14$

7.  $6x^2 - 7x - 5$

17.  $8x^2 - 27x - 20$

8.  $4x^2 + 17x + 18$

18.  $3x^2 + 23x - 8$

9.  $5x^2 + 24x - 36$

19.  $5x^2 - 36x + 36$

10.  $4x^2 - 8x - 5$

20.  $4x^2 - 24x + 35$

# Factoring Quadratic Expressions (A) Answers

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

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

Factor each expression.

1.  $6x^2 - 5x + 1$

$(3x - 1)(2x - 1)$

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

$(x - 1)(4x - 9)$

3.  $5x^2 - 36x - 81$

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

4.  $2x^2 - 7x - 72$

$(x - 8)(2x + 9)$

5.  $8x^2 + 42x + 49$

$(4x + 7)(2x + 7)$

6.  $7x^2 + 18x - 9$

$(7x - 3)(x + 3)$

7.  $6x^2 - 7x - 5$

$(2x + 1)(3x - 5)$

8.  $4x^2 + 17x + 18$

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

9.  $5x^2 + 24x - 36$

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

10.  $4x^2 - 8x - 5$

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

11.  $5x^2 + 18x + 9$

$(5x + 3)(x + 3)$

12.  $8x^2 - 9x + 1$

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

13.  $6x^2 - 35x + 49$

$(3x - 7)(2x - 7)$

14.  $9x^2 - 49x + 20$

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

15.  $5x^2 - 18x + 16$

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

16.  $x^2 - 9x + 14$

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

17.  $8x^2 - 27x - 20$

$(x - 4)(8x + 5)$

18.  $3x^2 + 23x - 8$

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

19.  $5x^2 - 36x + 36$

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

20.  $4x^2 - 24x + 35$

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