

Factoring Quadratic Expressions (C)

Name: _____

Date: _____

Factor each expression.

1. $6x^2 + 35x + 25$

11. $9x^2 - 40x + 16$

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

12. $2x^2 + x - 6$

3. $8x^2 - 23x - 36$

13. $4x^2 - 17x - 15$

4. $6x^2 - 49x + 49$

14. $4x^2 - 21x + 20$

5. $7x^2 - 31x + 12$

15. $8x^2 + 51x + 18$

6. $3x^2 - 11x - 4$

16. $8x^2 - 9x - 14$

7. $2x^2 + 21x + 49$

17. $7x^2 + 17x + 6$

8. $8x^2 - 26x + 15$

18. $8x^2 + 2x - 45$

9. $2x^2 - 11x - 21$

19. $9x^2 - 29x + 6$

10. $7x^2 - 27x - 4$

20. $3x^2 + 16x + 5$

Factoring Quadratic Expressions (C) Answers

Name: _____

Date: _____

Factor each expression.

1. $6x^2 + 35x + 25$

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

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

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

3. $8x^2 - 23x - 36$

$(x - 4)(8x + 9)$

4. $6x^2 - 49x + 49$

$(x - 7)(6x - 7)$

5. $7x^2 - 31x + 12$

$(7x - 3)(x - 4)$

6. $3x^2 - 11x - 4$

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

7. $2x^2 + 21x + 49$

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

8. $8x^2 - 26x + 15$

$(2x - 5)(4x - 3)$

9. $2x^2 - 11x - 21$

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

10. $7x^2 - 27x - 4$

$(x - 4)(7x + 1)$

11. $9x^2 - 40x + 16$

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

12. $2x^2 + x - 6$

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

13. $4x^2 - 17x - 15$

$(4x + 3)(x - 5)$

14. $4x^2 - 21x + 20$

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

15. $8x^2 + 51x + 18$

$(8x + 3)(x + 6)$

16. $8x^2 - 9x - 14$

$(8x + 7)(x - 2)$

17. $7x^2 + 17x + 6$

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

18. $8x^2 + 2x - 45$

$(2x + 5)(4x - 9)$

19. $9x^2 - 29x + 6$

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

20. $3x^2 + 16x + 5$

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