

Factoring Quadratic Expressions (C)

Name: _____

Date: _____

Factor each expression.

1. $32x^2 + 68x + 35$

11. $28x^2 + 31x - 72$

2. $8x^2 + 49x + 6$

12. $6x^2 + 13x - 5$

3. $49x^2 + 7x - 6$

13. $10x^2 + 63x + 81$

4. $6x^2 + 35x - 49$

14. $14x^2 + 37x + 5$

5. $35x^2 + 39x + 10$

15. $7x^2 - 53x - 24$

6. $21x^2 + 22x + 5$

16. $18x^2 + 61x - 7$

7. $54x^2 + 39x - 8$

17. $20x^2 + 41x + 9$

8. $4x^2 + 41x + 45$

18. $14x^2 - 25x - 25$

9. $3x^2 - 35x + 72$

19. $36x^2 + 25x - 25$

10. $30x^2 - 79x + 45$

20. $5x^2 - 18x + 9$

Factoring Quadratic Expressions (C) Answers

Name: _____

Date: _____

Factor each expression.

1. $32x^2 + 68x + 35$

$(8x + 7)(4x + 5)$

2. $8x^2 + 49x + 6$

$(x + 6)(8x + 1)$

3. $49x^2 + 7x - 6$

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

4. $6x^2 + 35x - 49$

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

5. $35x^2 + 39x + 10$

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

6. $21x^2 + 22x + 5$

$(3x + 1)(7x + 5)$

7. $54x^2 + 39x - 8$

$(9x + 8)(6x - 1)$

8. $4x^2 + 41x + 45$

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

9. $3x^2 - 35x + 72$

$(3x - 8)(x - 9)$

10. $30x^2 - 79x + 45$

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

11. $28x^2 + 31x - 72$

$(4x + 9)(7x - 8)$

12. $6x^2 + 13x - 5$

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

13. $10x^2 + 63x + 81$

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

14. $14x^2 + 37x + 5$

$(7x + 1)(2x + 5)$

15. $7x^2 - 53x - 24$

$(7x + 3)(x - 8)$

16. $18x^2 + 61x - 7$

$(2x + 7)(9x - 1)$

17. $20x^2 + 41x + 9$

$(4x + 1)(5x + 9)$

18. $14x^2 - 25x - 25$

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

19. $36x^2 + 25x - 25$

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

20. $5x^2 - 18x + 9$

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