

Factoring Quadratic Expressions (B)

Name: _____

Date: _____

Factor each expression.

1. $24x^2 - 23x + 5$

11. $10x^2 + 41x - 18$

2. $7x^2 + 23x + 18$

12. $27x^2 - 48x - 35$

3. $16x^2 - 24x - 7$

13. $35x^2 + 24x - 27$

4. $5x^2 - 46x + 9$

14. $12x^2 - 28x - 5$

5. $4x^2 - 8x - 45$

15. $2x^2 + 3x - 54$

6. $6x^2 + 29x - 42$

16. $2x^2 + 21x + 54$

7. $30x^2 + 89x + 63$

17. $12x^2 - 28x - 49$

8. $45x^2 - 13x - 24$

18. $7x^2 + 44x + 45$

9. $45x^2 - 98x + 49$

19. $20x^2 + x - 30$

10. $9x^2 + 45x + 56$

20. $12x^2 + 17x - 5$

Factoring Quadratic Expressions (B) Answers

Name: _____

Date: _____

Factor each expression.

1. $24x^2 - 23x + 5$

$(3x - 1)(8x - 5)$

2. $7x^2 + 23x + 18$

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

3. $16x^2 - 24x - 7$

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

4. $5x^2 - 46x + 9$

$(x - 9)(5x - 1)$

5. $4x^2 - 8x - 45$

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

6. $6x^2 + 29x - 42$

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

7. $30x^2 + 89x + 63$

$(5x + 9)(6x + 7)$

8. $45x^2 - 13x - 24$

$(9x - 8)(5x + 3)$

9. $45x^2 - 98x + 49$

$(9x - 7)(5x - 7)$

10. $9x^2 + 45x + 56$

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

11. $10x^2 + 41x - 18$

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

12. $27x^2 - 48x - 35$

$(9x + 5)(3x - 7)$

13. $35x^2 + 24x - 27$

$(5x - 3)(7x + 9)$

14. $12x^2 - 28x - 5$

$(2x - 5)(6x + 1)$

15. $2x^2 + 3x - 54$

$(2x - 9)(x + 6)$

16. $2x^2 + 21x + 54$

$(2x + 9)(x + 6)$

17. $12x^2 - 28x - 49$

$(6x + 7)(2x - 7)$

18. $7x^2 + 44x + 45$

$(x + 5)(7x + 9)$

19. $20x^2 + x - 30$

$(4x + 5)(5x - 6)$

20. $12x^2 + 17x - 5$

$(4x - 1)(3x + 5)$