

Factoring Quadratic Expressions (A)

Name: _____

Date: _____

Factor each expression.

1. $45x^2 - 94x + 48$

11. $36x^2 - 41x + 8$

2. $7x^2 + 67x + 36$

12. $36x^2 + 11x - 5$

3. $48x^2 + 10x - 3$

13. $27x^2 - 3x - 14$

4. $8x^2 + 46x + 63$

14. $7x^2 + 19x - 36$

5. $18x^2 - 23x - 6$

15. $42x^2 - 17x - 15$

6. $56x^2 - 31x + 3$

16. $9x^2 - 6x - 8$

7. $14x^2 + 25x + 9$

17. $5x^2 - 8x - 4$

8. $30x^2 - 71x + 42$

18. $12x^2 + 17x - 7$

9. $30x^2 - 29x - 7$

19. $48x^2 + 2x - 35$

10. $63x^2 + 37x + 4$

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

Factoring Quadratic Expressions (A) Answers

Name: _____

Date: _____

Factor each expression.

1. $45x^2 - 94x + 48$

$(9x - 8)(5x - 6)$

2. $7x^2 + 67x + 36$

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

3. $48x^2 + 10x - 3$

$(6x - 1)(8x + 3)$

4. $8x^2 + 46x + 63$

$(4x + 9)(2x + 7)$

5. $18x^2 - 23x - 6$

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

6. $56x^2 - 31x + 3$

$(8x - 1)(7x - 3)$

7. $14x^2 + 25x + 9$

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

8. $30x^2 - 71x + 42$

$(5x - 6)(6x - 7)$

9. $30x^2 - 29x - 7$

$(5x + 1)(6x - 7)$

10. $63x^2 + 37x + 4$

$(7x + 1)(9x + 4)$

11. $36x^2 - 41x + 8$

$(4x - 1)(9x - 8)$

12. $36x^2 + 11x - 5$

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

13. $27x^2 - 3x - 14$

$(9x - 7)(3x + 2)$

14. $7x^2 + 19x - 36$

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

15. $42x^2 - 17x - 15$

$(6x - 5)(7x + 3)$

16. $9x^2 - 6x - 8$

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

17. $5x^2 - 8x - 4$

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

18. $12x^2 + 17x - 7$

$(3x - 1)(4x + 7)$

19. $48x^2 + 2x - 35$

$(6x - 5)(8x + 7)$

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

$(4x - 1)(5x - 2)$