

Factoring Quadratic Expressions (D)

Name: _____

Date: _____

Factor each expression.

1. $12x^2 - 55x + 63$

11. $-54x^2 + 21x + 20$

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

12. $30x^2 + 41x + 7$

3. $-16x^2 - 58x + 63$

13. $-42x^2 + 11x + 3$

4. $8x^2 - 41x + 5$

14. $-48x^2 + 38x + 21$

5. $-9x^2 - 53x + 6$

15. $-35x^2 + 29x + 28$

6. $18x^2 - 51x + 35$

16. $-15x^2 + 49x - 40$

7. $-9x^2 + 43x - 28$

17. $6x^2 + x - 5$

8. $54x^2 - 15x - 4$

18. $-45x^2 - 14x + 48$

9. $8x^2 - 13x + 5$

19. $18x^2 - 89x + 36$

10. $35x^2 - 13x - 4$

20. $8x^2 + 45x + 25$

Factoring Quadratic Expressions (D) Answers

Name: _____

Date: _____

Factor each expression.

1. $12x^2 - 55x + 63$

$(3x - 7)(4x - 9)$

11. $-54x^2 + 21x + 20$

$-(6x - 5)(9x + 4)$

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

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

12. $30x^2 + 41x + 7$

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

3. $-16x^2 - 58x + 63$

$-(8x - 7)(2x + 9)$

13. $-42x^2 + 11x + 3$

$-(7x - 3)(6x + 1)$

4. $8x^2 - 41x + 5$

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

14. $-48x^2 + 38x + 21$

$-(6x - 7)(8x + 3)$

5. $-9x^2 - 53x + 6$

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

15. $-35x^2 + 29x + 28$

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

6. $18x^2 - 51x + 35$

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

16. $-15x^2 + 49x - 40$

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

7. $-9x^2 + 43x - 28$

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

17. $6x^2 + x - 5$

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

8. $54x^2 - 15x - 4$

$(6x + 1)(9x - 4)$

18. $-45x^2 - 14x + 48$

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

9. $8x^2 - 13x + 5$

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

19. $18x^2 - 89x + 36$

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

10. $35x^2 - 13x - 4$

$(7x - 4)(5x + 1)$

20. $8x^2 + 45x + 25$

$(x + 5)(8x + 5)$