

Factoring Quadratic Expressions (A)

Name: _____

Date: _____

Factor each expression.

1. $5x^2 - 38x - 16$

11. $-5x^2 - 21x + 54$

2. $6x^2 - 37x + 45$

12. $7x^2 - 60x - 27$

3. $6x^2 + 31x + 35$

13. $-8x^2 - 38x - 35$

4. $-6x^2 - 29x - 20$

14. $-2x^2 - 9x - 10$

5. $9x^2 + 32x + 15$

15. $-3x^2 + 34x - 63$

6. $-7x^2 - 65x - 72$

16. $8x^2 + 11x - 10$

7. $x^2 + 4x - 45$

17. $5x^2 + 44x + 63$

8. $-4x^2 - x + 18$

18. $8x^2 - 46x + 63$

9. $8x^2 + 73x + 72$

19. $8x^2 - 7x - 18$

10. $-9x^2 + 30x - 16$

20. $4x^2 + 4x - 15$

Factoring Quadratic Expressions (A) Answers

Name: _____

Date: _____

Factor each expression.

1. $5x^2 - 38x - 16$

$(x - 8)(5x + 2)$

2. $6x^2 - 37x + 45$

$(3x - 5)(2x - 9)$

3. $6x^2 + 31x + 35$

$(2x + 7)(3x + 5)$

4. $-6x^2 - 29x - 20$

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

5. $9x^2 + 32x + 15$

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

6. $-7x^2 - 65x - 72$

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

7. $x^2 + 4x - 45$

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

8. $-4x^2 - x + 18$

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

9. $8x^2 + 73x + 72$

$(8x + 9)(x + 8)$

10. $-9x^2 + 30x - 16$

$-(3x - 2)(3x - 8)$

11. $-5x^2 - 21x + 54$

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

12. $7x^2 - 60x - 27$

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

13. $-8x^2 - 38x - 35$

$-(2x + 7)(4x + 5)$

14. $-2x^2 - 9x - 10$

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

15. $-3x^2 + 34x - 63$

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

16. $8x^2 + 11x - 10$

$(x + 2)(8x - 5)$

17. $5x^2 + 44x + 63$

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

18. $8x^2 - 46x + 63$

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

19. $8x^2 - 7x - 18$

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

20. $4x^2 + 4x - 15$

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