

Factoring Quadratic Expressions (G)

Name: _____

Date: _____

Factor each expression.

1. $4x^2 + 15x - 54$

11. $3x^2 + 25x + 42$

2. $4x^2 - 25x + 25$

12. $x^2 + 2x - 35$

3. $4x^2 + 19x - 63$

13. $4x^2 - 39x + 27$

4. $4x^2 + 28x + 45$

14. $5x^2 - 24x - 36$

5. $5x^2 + 6x - 27$

15. $3x^2 + 17x + 10$

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

16. $3x^2 + 19x + 6$

7. $4x^2 + 21x - 18$

17. $5x^2 + x - 18$

8. $2x^2 + 5x - 3$

18. $2x^2 + 19x + 35$

9. $2x^2 + 13x + 15$

19. $2x^2 - 7x - 15$

10. $3x^2 - 26x + 16$

20. $4x^2 - 39x + 56$

Factoring Quadratic Expressions (G) Answers

Name: _____

Date: _____

Factor each expression.

1. $4x^2 + 15x - 54$

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

2. $4x^2 - 25x + 25$

$(x - 5)(4x - 5)$

3. $4x^2 + 19x - 63$

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

4. $4x^2 + 28x + 45$

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

5. $5x^2 + 6x - 27$

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

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

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

7. $4x^2 + 21x - 18$

$(4x - 3)(x + 6)$

8. $2x^2 + 5x - 3$

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

9. $2x^2 + 13x + 15$

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

10. $3x^2 - 26x + 16$

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

11. $3x^2 + 25x + 42$

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

12. $x^2 + 2x - 35$

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

13. $4x^2 - 39x + 27$

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

14. $5x^2 - 24x - 36$

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

15. $3x^2 + 17x + 10$

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

16. $3x^2 + 19x + 6$

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

17. $5x^2 + x - 18$

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

18. $2x^2 + 19x + 35$

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

19. $2x^2 - 7x - 15$

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

20. $4x^2 - 39x + 56$

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