

Factoring Quadratic Expressions (G)

Name: _____

Date: _____

Factor each expression.

1. $30x^2 - 19x - 63$

11. $8x^2 + 2x - 1$

2. $72x^2 - 13x - 20$

12. $72x^2 - 103x + 35$

3. $20x^2 - 9x + 1$

13. $64x^2 - 32x + 3$

4. $5x^2 + 37x + 14$

14. $36x^2 - 55x - 14$

5. $7x^2 + 50x + 48$

15. $25x^2 + 60x + 27$

6. $6x^2 - 7x + 2$

16. $35x^2 + 54x + 16$

7. $56x^2 + 29x - 40$

17. $36x^2 - 36x - 7$

8. $24x^2 + 67x + 45$

18. $56x^2 - 51x + 10$

9. $18x^2 + 35x + 12$

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

10. $8x^2 - 3x - 5$

20. $18x^2 - 5x - 2$

Factoring Quadratic Expressions (G) Answers

Name: _____

Date: _____

Factor each expression.

1. $30x^2 - 19x - 63$

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

2. $72x^2 - 13x - 20$

$(9x + 4)(8x - 5)$

3. $20x^2 - 9x + 1$

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

4. $5x^2 + 37x + 14$

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

5. $7x^2 + 50x + 48$

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

6. $6x^2 - 7x + 2$

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

7. $56x^2 + 29x - 40$

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

8. $24x^2 + 67x + 45$

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

9. $18x^2 + 35x + 12$

$(9x + 4)(2x + 3)$

10. $8x^2 - 3x - 5$

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

11. $8x^2 + 2x - 1$

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

12. $72x^2 - 103x + 35$

$(8x - 7)(9x - 5)$

13. $64x^2 - 32x + 3$

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

14. $36x^2 - 55x - 14$

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

15. $25x^2 + 60x + 27$

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

16. $35x^2 + 54x + 16$

$(7x + 8)(5x + 2)$

17. $36x^2 - 36x - 7$

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

18. $56x^2 - 51x + 10$

$(8x - 5)(7x - 2)$

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

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

20. $18x^2 - 5x - 2$

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