

Factoring Quadratic Expressions (G)

Name: _____

Date: _____

Factor each expression.

1. $8x^2 - 45x + 25$

11. $9x^2 + 12x - 5$

2. $8x^2 + 10x - 63$

12. $4x^2 - 23x - 35$

3. $5x^2 + 38x + 48$

13. $8x^2 + 53x - 21$

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

14. $5x^2 - 31x + 30$

5. $5x^2 + 48x + 27$

15. $6x^2 - 49x + 49$

6. $5x^2 + 4x - 9$

16. $9x^2 + 2x - 7$

7. $5x^2 + 9x - 18$

17. $7x^2 + 13x - 2$

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

18. $6x^2 + 31x - 30$

9. $7x^2 + 6x - 16$

19. $5x^2 + 22x - 48$

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

20. $9x^2 + 41x - 20$

Factoring Quadratic Expressions (G) Answers

Name: _____

Date: _____

Factor each expression.

1. $8x^2 - 45x + 25$

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

2. $8x^2 + 10x - 63$

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

3. $5x^2 + 38x + 48$

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

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

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

5. $5x^2 + 48x + 27$

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

6. $5x^2 + 4x - 9$

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

7. $5x^2 + 9x - 18$

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

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

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

9. $7x^2 + 6x - 16$

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

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

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

11. $9x^2 + 12x - 5$

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

12. $4x^2 - 23x - 35$

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

13. $8x^2 + 53x - 21$

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

14. $5x^2 - 31x + 30$

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

15. $6x^2 - 49x + 49$

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

16. $9x^2 + 2x - 7$

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

17. $7x^2 + 13x - 2$

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

18. $6x^2 + 31x - 30$

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

19. $5x^2 + 22x - 48$

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

20. $9x^2 + 41x - 20$

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