

Factoring Quadratic Expressions (H)

Name: _____

Date: _____

Factor each expression.

1. $8x^2 + 47x + 35$

11. $6x^2 + 37x + 35$

2. $6x^2 + 13x - 28$

12. $6x^2 - 31x + 5$

3. $3x^2 - 13x - 10$

13. $9x^2 + 45x + 56$

4. $6x^2 + 7x + 2$

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

5. $8x^2 - 57x - 56$

15. $9x^2 - 40x - 25$

6. $9x^2 - 12x - 5$

16. $2x^2 - 13x - 24$

7. $4x^2 - 25$

17. $9x^2 + 65x - 56$

8. $8x^2 + 30x - 27$

18. $9x^2 - 74x + 16$

9. $8x^2 + 14x + 5$

19. $6x^2 + 7x + 1$

10. $6x^2 + 7x - 5$

20. $8x^2 - 46x + 63$

Factoring Quadratic Expressions (H) Answers

Name: _____

Date: _____

Factor each expression.

1. $8x^2 + 47x + 35$

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

2. $6x^2 + 13x - 28$

$(3x - 4)(2x + 7)$

3. $3x^2 - 13x - 10$

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

4. $6x^2 + 7x + 2$

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

5. $8x^2 - 57x - 56$

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

6. $9x^2 - 12x - 5$

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

7. $4x^2 - 25$

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

8. $8x^2 + 30x - 27$

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

9. $8x^2 + 14x + 5$

$(2x + 1)(4x + 5)$

10. $6x^2 + 7x - 5$

$(3x + 5)(2x - 1)$

11. $6x^2 + 37x + 35$

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

12. $6x^2 - 31x + 5$

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

13. $9x^2 + 45x + 56$

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

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

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

15. $9x^2 - 40x - 25$

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

16. $2x^2 - 13x - 24$

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

17. $9x^2 + 65x - 56$

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

18. $9x^2 - 74x + 16$

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

19. $6x^2 + 7x + 1$

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

20. $8x^2 - 46x + 63$

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