

Factoring Quadratic Expressions (I)

Name: _____

Date: _____

Factor each expression.

1. $8x^2 - 10x - 3$

11. $4x^2 - 19x + 12$

2. $2x^2 - 17x + 30$

12. $2x^2 - 11x + 15$

3. $9x^2 - 44x + 32$

13. $8x^2 + 34x - 9$

4. $6x^2 + 43x + 72$

14. $7x^2 - 39x - 18$

5. $8x^2 - 15x - 2$

15. $4x^2 - 24x + 27$

6. $9x^2 + 53x + 40$

16. $8x^2 + 34x + 35$

7. $8x^2 + 42x + 27$

17. $8x^2 + 31x - 45$

8. $4x^2 + x - 5$

18. $7x^2 - 29x + 24$

9. $8x^2 + 3x - 5$

19. $2x^2 + 9x - 35$

10. $8x^2 + 31x + 21$

20. $8x^2 + 73x + 72$

Factoring Quadratic Expressions (I) Answers

Name: _____

Date: _____

Factor each expression.

1. $8x^2 - 10x - 3$

$(2x - 3)(4x + 1)$

2. $2x^2 - 17x + 30$

$(x - 6)(2x - 5)$

3. $9x^2 - 44x + 32$

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

4. $6x^2 + 43x + 72$

$(2x + 9)(3x + 8)$

5. $8x^2 - 15x - 2$

$(x - 2)(8x + 1)$

6. $9x^2 + 53x + 40$

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

7. $8x^2 + 42x + 27$

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

8. $4x^2 + x - 5$

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

9. $8x^2 + 3x - 5$

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

10. $8x^2 + 31x + 21$

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

11. $4x^2 - 19x + 12$

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

12. $2x^2 - 11x + 15$

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

13. $8x^2 + 34x - 9$

$(2x + 9)(4x - 1)$

14. $7x^2 - 39x - 18$

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

15. $4x^2 - 24x + 27$

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

16. $8x^2 + 34x + 35$

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

17. $8x^2 + 31x - 45$

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

18. $7x^2 - 29x + 24$

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

19. $2x^2 + 9x - 35$

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

20. $8x^2 + 73x + 72$

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