

Factoring Quadratic Expressions (J)

Name: _____

Date: _____

Factor each expression.

1. $7x^2 - 33x - 10$

11. $6x^2 + 23x + 20$

2. $3x^2 + 2x - 21$

12. $8x^2 + 47x - 63$

3. $6x^2 + 35x + 36$

13. $2x^2 - 5x - 3$

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

14. $8x^2 - 6x - 35$

5. $6x^2 + 23x + 7$

15. $6x^2 + 17x + 5$

6. $5x^2 - 17x + 6$

16. $9x^2 - 34x + 21$

7. $8x^2 - 14x + 3$

17. $7x^2 - 37x - 30$

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

18. $3x^2 - 7x - 40$

9. $3x^2 + 8x - 16$

19. $7x^2 + 48x - 7$

10. $8x^2 - 73x + 72$

20. $9x^2 + 2x - 7$

Factoring Quadratic Expressions (J) Answers

Name: _____

Date: _____

Factor each expression.

1. $7x^2 - 33x - 10$

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

2. $3x^2 + 2x - 21$

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

3. $6x^2 + 35x + 36$

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

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

$(2x - 5)(3x + 7)$

5. $6x^2 + 23x + 7$

$(3x + 1)(2x + 7)$

6. $5x^2 - 17x + 6$

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

7. $8x^2 - 14x + 3$

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

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

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

9. $3x^2 + 8x - 16$

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

10. $8x^2 - 73x + 72$

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

11. $6x^2 + 23x + 20$

$(3x + 4)(2x + 5)$

12. $8x^2 + 47x - 63$

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

13. $2x^2 - 5x - 3$

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

14. $8x^2 - 6x - 35$

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

15. $6x^2 + 17x + 5$

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

16. $9x^2 - 34x + 21$

$(x - 3)(9x - 7)$

17. $7x^2 - 37x - 30$

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

18. $3x^2 - 7x - 40$

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

19. $7x^2 + 48x - 7$

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

20. $9x^2 + 2x - 7$

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