

Factoring Quadratics (A)

Factor each expression

1. $15x^2 + 52x + 45$

11. $6x^2 - 34x + 20$

2. $8x^2 + 26x + 20$

12. $16x^2 - 20x - 6$

3. $48x^2 + 14x + 1$

13. $7x^2 - 23x + 6$

4. $21x^2 - x - 2$

14. $7x^2 - 50x + 48$

5. $8x^2 - 25x + 18$

15. $21x^2 + 50x - 16$

6. $15x^2 - 25x - 40$

16. $12x^2 + 28x + 8$

7. $45x^2 + 46x - 63$

17. $6x^2 - 13x - 15$

8. $81x^2 + 99x + 28$

18. $28x^2 - 46x + 16$

9. $6x^2 - 21x + 9$

19. $16x^2 + 44x + 10$

10. $20x^2 - 71x + 63$

20. $21x^2 + 25x - 4$

Factoring Quadratics (A) Answers

Factor each expression

1. $15x^2 + 52x + 45$
 $(3x + 5)(5x + 9)$

2. $8x^2 + 26x + 20$
 $(2x + 4)(4x + 5)$

3. $48x^2 + 14x + 1$
 $(8x + 1)(6x + 1)$

4. $21x^2 - x - 2$
 $(7x + 2)(3x - 1)$

5. $8x^2 - 25x + 18$
 $(x - 2)(8x - 9)$

6. $15x^2 - 25x - 40$
 $(5x + 5)(3x - 8)$

7. $45x^2 + 46x - 63$
 $(9x - 7)(5x + 9)$

8. $81x^2 + 99x + 28$
 $(9x + 4)(9x + 7)$

9. $6x^2 - 21x + 9$
 $(x - 3)(6x - 3)$

10. $20x^2 - 71x + 63$
 $(5x - 9)(4x - 7)$

11. $6x^2 - 34x + 20$
 $(x - 5)(6x - 4)$

12. $16x^2 - 20x - 6$
 $(4x + 1)(4x - 6)$

13. $7x^2 - 23x + 6$
 $(7x - 2)(x - 3)$

14. $7x^2 - 50x + 48$
 $(x - 6)(7x - 8)$

15. $21x^2 + 50x - 16$
 $(7x - 2)(3x + 8)$

16. $12x^2 + 28x + 8$
 $(6x + 2)(2x + 4)$

17. $6x^2 - 13x - 15$
 $(6x + 5)(x - 3)$

18. $28x^2 - 46x + 16$
 $(7x - 8)(4x - 2)$

19. $16x^2 + 44x + 10$
 $(8x + 2)(2x + 5)$

20. $21x^2 + 25x - 4$
 $(3x + 4)(7x - 1)$