

Factoring Quadratics (A)

Factor each expression

1. $2x^2 + x - 15$

11. $2x^2 - 17x + 21$

2. $x^2 - 10x + 9$

12. $x^2 + 14x + 49$

3. $2x^2 + 18x + 28$

13. $4x^2 + 4x - 8$

4. $4x^2 - 10x - 24$

14. $x^2 + 10x + 25$

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

15. $4x^2 - 12x - 7$

6. $2x^2 - 9x - 18$

16. $2x^2 - 10x + 8$

7. $4x^2 + 8x + 3$

17. $2x^2 - 21x + 49$

8. $2x^2 + 15x + 25$

18. $2x^2 - 6x - 8$

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

19. $4x^2 + 6x - 10$

10. $2x^2 + 9x - 81$

20. $x^2 + 11x + 30$

Factoring Quadratics (A) Answers

Factor each expression

1. $2x^2 + x - 15$
 $(x + 3)(2x - 5)$

2. $x^2 - 10x + 9$
 $(x - 1)(x - 9)$

3. $2x^2 + 18x + 28$
 $(x + 7)(2x + 4)$

4. $4x^2 - 10x - 24$
 $(2x - 8)(2x + 3)$

5. $x^2 - 3x - 10$
 $(x - 5)(x + 2)$

6. $2x^2 - 9x - 18$
 $(x - 6)(2x + 3)$

7. $4x^2 + 8x + 3$
 $(2x + 1)(2x + 3)$

8. $2x^2 + 15x + 25$
 $(2x + 5)(x + 5)$

9. $x^2 + 5x + 4$
 $(x + 1)(x + 4)$

10. $2x^2 + 9x - 81$
 $(x + 9)(2x - 9)$

11. $2x^2 - 17x + 21$
 $(x - 7)(2x - 3)$

12. $x^2 + 14x + 49$
 $(x + 7)(x + 7)$

13. $4x^2 + 4x - 8$
 $(2x + 4)(2x - 2)$

14. $x^2 + 10x + 25$
 $(x + 5)(x + 5)$

15. $4x^2 - 12x - 7$
 $(2x + 1)(2x - 7)$

16. $2x^2 - 10x + 8$
 $(2x - 8)(x - 1)$

17. $2x^2 - 21x + 49$
 $(x - 7)(2x - 7)$

18. $2x^2 - 6x - 8$
 $(2x + 2)(x - 4)$

19. $4x^2 + 6x - 10$
 $(2x - 2)(2x + 5)$

20. $x^2 + 11x + 30$
 $(x + 6)(x + 5)$