Binome

Wende die binomischen Lehrformeln an.

1. ( 14p +5)² = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. ( 14p+18)² = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3. (-10r+11)² = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4. ( 6v- 3)² = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5. ( 16p-15)² = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

6. ( 8w -5)² = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

7. ( 14u-15)² = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

8. ( 17x-17)( 17x+17) = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

9. (-19z -5)² = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

10. ( 3p-19)( 3p+19) = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

11. ( 19u- 5)² = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

12. (-14u -4)² = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

13. ( 3v- 2)² = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

14. ( 12z-20)² = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

15. ( 20q- 2)² = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

16. ( 5x-18)² = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

17. ( -6v+13)² = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

18. ( -6v- 6)( -6v +6) = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

19. ( 9q-12)( +9q+12) = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

20. ( -5u +4)² = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Binome

Lösungen

Wende die binomischen Lehrformeln an.

1. (14p + 5)² = 196p² + 140p + 25

2. (14p + 18)² = 196p² + 504p + 324

3. (-10r + 11)² = 100r² - 220r + 121

4. (6v - 3)² = 36v² - 36v + 9

5. (16p - 15)² = 256p² -480p + 225

6. (8w - 5)² = 64w² - 80w + 25

7. (14u - 15)² = 196u² - 420u + 225

8. (17x - 17)(17x + 17) = 289x² - 289

9. (-19z - 5)² = 361z² + 190z + 25

10. (3p - 19)(3p + 19) = 9p² - 361

11. (19u - 5)² = 361u² - 190u + 25

12. (-14u - 4)² = 196u² + 112u + 16

13. (3v - 2)² = 9v² - 12v + 4

14. (12z - 20)² = 144z² - 480z + 400

15. (20q - 2)² = 400q² - 80q + 4

16. (5x - 18)² = 25x² - 180x + 324

17. (-6v + 13)² = 36v² - 156v + 169

18. (-6v - 6)( -6v +6) = 36v² - 36

19. (9q - 12)( +9q+12) = 81q² - 144

20. (-5u + 4)² = 25u² - 40u + 16