



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. $(14p + 5)^2 = 196p^2 + 140p + 25$
2. $(14p + 18)^2 = 196p^2 + 504p + 324$
3. $(-10r + 11)^2 = 100r^2 - 220r + 121$
4. $(6v - 3)^2 = 36v^2 - 36v + 9$
5. $(16p - 15)^2 = 256p^2 - 480p + 225$
6. $(8w - 5)^2 = 64w^2 - 80w + 25$
7. $(14u - 15)^2 = 196u^2 - 420u + 225$
8. $(17x - 17)(17x + 17) = 289x^2 - 289$
9. $(-19z - 5)^2 = 361z^2 + 190z + 25$
10. $(3p - 19)(3p + 19) = 9p^2 - 361$
11. $(19u - 5)^2 = 361u^2 - 190u + 25$
12. $(-14u - 4)^2 = 196u^2 + 112u + 16$
13. $(3v - 2)^2 = 9v^2 - 12v + 4$
14. $(12z - 20)^2 = 144z^2 - 480z + 400$
15. $(20q - 2)^2 = 400q^2 - 80q + 4$
16. $(5x - 18)^2 = 25x^2 - 180x + 324$
17. $(-6v + 13)^2 = 36v^2 - 156v + 169$
18. $(-6v - 6)(-6v + 6) = 36v^2 - 36$
19. $(9q - 12)(+9q+12) = 81q^2 - 144$
20. $(-5u + 4)^2 = 25u^2 - 40u + 16$