2. Rechenweg ohne Anwendung der 1. Binomischen Formel

Ausführlicher Rechenweg

1.) (x + 4)² = (x + 4) (x + 4) = x² + 4x + 4x + 16 = x² + 8x + 16

2.) (x + 5)² = (x + 5)(x + 5) = x² + 5x + 5x + 25 = x² + 10x + 25

3.) (x + 1)² = (x + 1)(x + 1) = x² + x + x + 1 = x² + 2x + 1

4.) (x + 8)² = (x + 8)(x + 8) = x² + 8x + 8x + 64 = x² + 16x + 64

5.) (x + 6)² = (x + 6)(x + 6) = x² + 6x + 6x + 36 = x² + 12x + 36

6.) (2x + 3)² = (2x + 3)(2x + 3) = 4x² + 6x + 6x + 9 = 4x² + 12x + 9

7.) (5x + 2)² = (5x + 2)(5x + 2) = 25x² + 10x + 10x + 4 = 25x² + 20x + 4

8.) (3x + 7)² = (3x + 7)(3x + 7) = 9x² + 21x + 21x + 49 = 9x² + 42x + 49

9.) (11x + 8)² = (11x + 8)(11x + 8) =121x² + 88x + 88x + 64 = 121x² + 176x + 64

10.) (10x + 7)² = (10x + 7)(10x + 7) = 100x² + 70x + 70x + 49 = 100x²+140x+49

11.) (5x + 5)² = (5x + 5)(5x + 5) = 25x² + 25x + 25x + 25 = 25x² + 50x + 25

12.) (2x + 1)² = (2x + 1)(2x + 1) = 4x² + 2x + 2x + 1 = 4x² + 4x + 1

13.) (8x + 6)² = (8x + 6)(8x + 6) = 64x² + 48x + 48x + 36 = 64x² + 96x + 36

14.) (6x + 3)² = (6x + 3)(6x + 3) = 36x² + 18x + 18x + 9 = 36x² + 36x + 9

15.) (5x + 4)² = (5x + 4)(5x + 4) = 25x² + 20x + 20x + 16 = 25x² + 40x + 16

16.) (3x + 12)² = (3x + 12)(3x + 12) = 9x² + 36x + 36x + 144 = 9x² + 72x + 144

17.) (10x + 6)² = (10x + 6)(10x + 6) = 100x² + 60x + 60x + 36 = 100x² + 120x + 36

18.) (6x + 5)² = (6x + 5)(6x + 5) = 36x² + 30x + 30x + 25 = 36x² + 60x + 25

19.) (2x + 5)² = (2x + 5)(2x + 5) = 4x² + 10x + 10x + 25 = 4x² + 20x + 25

20.) (9x + 4)² = (9x + 4)(9x + 4) = 81x² + 36x + 36x + 16 = 81x² + 72x + 16

21.) (7x + 7)² = (7x + 7)(7x + 7) = 49x² + 49x + 49x + 49 = 49x² + 98x + 49

22.) (8x + 8)² = (8x + 8)(8x + 8) = 64x² + 64x + 64x + 64 = 64x² + 128x + 64

23.) (4x + 7)² = (4x + 7)(4x + 7) = 16x² + 28x + 28x + 49 = 16x² + 56x + 49

24.) (7x + 8)² = (7x + 8)(7x + 8) = 49x² + 56x + 56x + 64 = 49x² + 112x + 64

25.) (4x + 8)² = (4x + 8)(4x + 8) = 16x² + 32x + 32x + 64 = 16x² + 64x + 64