Satz des Vieta I

Multipliziere aus.

1. $(x -6)(x +4) =$ _____
2. $(x-11)(x+16) =$ _____
3. $(x -3)(x-19) =$ _____
4. $(x -2)(x-11) =$ _____
5. $(x+16)(x -7) =$ _____
6. $(x-17)(x-12) =$ _____
7. $(x -9)(x+15) =$ _____
8. $(x+11)(x+13) =$ _____
9. $(x +2)(x +3) =$ _____
10. $(x +6)(x+14) =$ _____
11. $(x+18)(x-16) =$ _____
12. $(x+18)(x +9) =$ _____
13. $(x-11)(x -4) =$ _____
14. $(x+12)(x+10) =$ _____
15. $(x +4)(x-12) =$ _____
16. $(x -7)(x+11) =$ _____
17. $(x+17)(x-20) =$ _____
18. $(x-18)(x -6) =$ _____

Satz des Vieta I

Multipliziere aus.

1. $(x -6)(x +4) = x^2 - 2x - 24$

2. $(x-11)(x+16) = x^2 + 5x - 176$

3. $(x -3)(x-19) = x^2 - 22x + 57$

4. $(x -2)(x-11) = x^2 - 13x + 22$

5. $(x+16)(x -7) = x^2 + 9x - 112$

6. $(x-17)(x-12) = x^2 - 29x + 204$

7. $(x -9)(x+15) = x^2 + 6x - 135$

8. $(x+11)(x+13) = x^2 + 24x + 143$

9. $(x +2)(x +3) = x^2 + 5x + 6$

10. $(x +6)(x+14) = x^2 + 20x + 84$

11. $(x+18)(x-16) = x^2 + 2x - 288$

12. $(x+18)(x +9) = x^2 + 27x + 162$

13. $(x-11)(x -4) = x^2 - 15x + 44$

14. $(x+12)(x+10) = x^2 + 22x + 120$

15. $(x +4)(x-12) = x^2 - 8x - 48$

16. $(x -7)(x+11) = x^2 + 4x - 77$

17. $(x+17)(x-20) = x^2 - 3x - 340$

18. $(x-18)(x -6) = x^2 - 24x + 108$

Satz des Vieta II

Faktorisiere.

1. $x^2 - 11x + 10 =$ _____
2. $x^2 + 8x - 20 =$ _____
3. $x^2 - 2x - 63 =$ _____
4. $x^2 + 20x + 100$ _____
5. $x^2 + 5x - 6 =$ _____
6. $x^2 + 6x - 7 =$ _____
7. $x^2 - 7x + 10 =$ _____
8. $x^2 + 11x + 24 =$ _____
9. $x^2 - 81 =$ _____
10. $x^2 + 2x - 35 =$ _____
11. $x^2 + 6x + 8 =$ _____
12. $x^2 - 10x + 21 =$ _____
13. $x^2 - x - 72 =$ _____
14. $x^2 + 2x - 80 =$ _____
15. $x^2 + 7x + 10 =$ _____
16. $x^2 - x - 30 =$ _____
17. $x^2 - 8x + 12 =$ _____
18. $x^2 - 3x - 18 =$ _____

Satz des Vieta II

Lösungen

Faktorisiere.

1. $x^2 - 11x + 10 = (x - 1)(x - 10)$
2. $x^2 + 8x - 20 = (x - 2)(x + 10)$
3. $x^2 - 2x - 63 = (x - 9)(x + 7)$
4. $x^2 + 20x + 100 = (x + 10)(x + 10)$
5. $x^2 + 5x - 6 = (x + 6)(x - 1)$
6. $x^2 + 6x - 7 = (x + 7)(x - 1)$
7. $x^2 - 7x + 10 = (x - 2)(x - 5)$
8. $x^2 + 11x + 24 = (x + 3)(x + 8)$
9. $x^2 - 81 = (x + 9)(x - 9)$
10. $x^2 + 2x - 35 = (x - 5)(x + 7)$
11. $x^2 + 6x + 8 = (x + 2)(x + 4)$
12. $x^2 - 10x + 21 = (x - 3)(x - 7)$
13. $x^2 - x - 72 = (x - 9)(x + 8)$
14. $x^2 + 2x - 80 = (x + 10)(x - 8)$
15. $x^2 + 7x + 10 = (x + 5)(x + 2)$
16. $x^2 - x - 30 = (x - 6)(x + 5)$
17. $x^2 - 8x + 12 = (x - 2)(x - 6)$
18. $x^2 - 3x - 18 = (x + 3)(x - 6)$