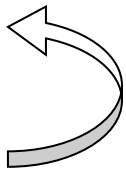
1. ggT ausklammern
2. ist es ein Binom?
3. geht Summe-Produkt-Regel?
4. Faktoren nochmals überprüfen



Beispiel: $2x^5 - 12x^3 - 54x$ → 1.
$= 2x(x^4 - 6x^2 - 27)$ → 3. und 4.
$= 2x(x^2 + 3)(x^2 - 9)$ → 2.
$= \underline{2x(x^2 + 3)(x + 3)(x - 3)}$

1. $3a^2 - 3 = 3\,(a^2 - 1) = 3\,(a + 1)(a - 1)$
2. $a^4 - a^2 =$
3. $5a^2 - 20 =$
4. $3a^2 + 6a + 3 =$
5. $5b^3 - 5b =$
6. $a^2b - 2ab + b =$
7. $9c^3 - 36c =$
8. $6s^2 - 6 =$
9. $2x^2 - 4x + 2 =$
10. $27d^2 + 18d + 3 =$
11. $3a^2 - 12b^2 =$
12. $2x^2 + 4xy + 2y^2 =$
13. $5 + 50c + 125c^2 =$
14. $d^4 - 16 =$
15. $wx^2 - 2wxy + wy^2 =$
16. $20m^2 + 20m + 5 =$
17. $c^4 - 13c^2d^2 + 36d^4 =$
18. $a^3b - ab^5 =$
19. $12xy^2 - 27x^3 =$
20. $9h^2i^4 + 6h^2i^2 + h^2 =$
21. $x^4 - y^4 =$
22. $28t^4 + 84t^3 + 63t^2 =$