

Hier ist nur ein Schritt gefragt:

1. $a(x+y) + b(x+y) = (a+b)(x+y)$
2. $x(a-b) + y(a-b) = (x+y)(a-b)$
3. $x(m+3) + y(m+3) = (x+y)(m+3)$
4. $m(x+y) + 3(x+y) = (x+y)(m+3)$
5. $2a(2x-1) - 3(2x-1) = (2a-3)(2x-1)$
6. $3b(5a-1) + 2(5a-1) = (3b+2)(5a-1)$
7. $3m(m-2n) - 4(m-2n) = (3m-4)(m-2n)$
8. $7a(a-3s) - 2(a-3s) = (7a-2)(a-3s)$
9. $2a(a-2b) + c(a-2b) = (2a+c)(a-2b)$
10. $7p(3q-1) + (3q-1) = (7p+1)(3q-1)$
11. $3a(a-5b) - c(a-5b) = (3a-c)(a-5b)$
12. $2x(2y-1) - (2y-1) = (2x-1)(2y-1)$

Führe zwei Umformungsschritte durch und schreibe beide auf!

13. $tx + 2ty + ux + 2uy = t(x+2y) + u(x+2y) = (t+u)(x+2y)$
14. $2m - mq + 2n - nq = m(2-q) + n(2-q) = (m+n)(2-q)$
15. $6ac + 3ad - 10bc - 5bd = 3a(2c+d) - 5b(2c+d) = (3a-5b)(2c+d)$
16. $tu - tz - uy + yz = t(u-z) - y(u-z) = (t-y)(u-z)$
17. $2mr - ms - 14r + 7s = m(2r-s) - 7(2r-s) = (m-7)(2r-s)$
18. $t - st + 2u - 2su = t(1-s) + 2u(1-s) = (t+2u)(1-s)$
19. $2ac - 8ad + 7bc - 28bd = 2a(c-4d) + 7b(c-4d) = (2a+7b)(c-4d)$
20. $6bc - 3by - 2cx + xy = 3b(2c-y) - x(2c-y) = (3b-x)(2c-y)$