

Rozložte na součin:

1. $24x-9y=$

2. $8x^2+5x=$

3. $-9a^2b^3c^5-6a^3b^3c=$

4. $6x^2y^3-8xy^3+10x^3y^2=$

5. $84xy^4z^5-24x^2y^2zv+60xy^3z^3=$

6. $8r-7s+3t(8r-7s)=$

7. $9r-2s-6t(2s-9r)=$

8. $6r-5t(s-6r)-s=$

9. $3x+3y+xz+yz=$

10. $5x-25+xy-5y=$

11. $x^3+4x^2-4x-16=$

12. $x^3+x^2-x-1=$

1. $24x-9y=3(8x-3y)$

2. $8x^2+5x=x(8x+5)$

3. $-9a^2b^3c^5-6a^3b^3c=-3a^2b^3c(3c^4+2a)$

4. $6x^2y^3-8xy^3+10x^3y^2=2xy^2(3xy-4y+5x^2)$

5. $84xy^4z^5-24x^2y^2zv+60xy^3z^3=12xy^2z^3(7y^2z^2-2xz+5y)$

6. $8r-7s+3t(8r-7s)=(8r-7s)+3t(8r-7s)=(8r-7s)(1+3t)$

7. $9r-2s-6t(2s-9r)=(9r-2s)-6t(2s-9r)=-(2s-9r)-6t(2s-9r)=(2s-9r)(-1-6t)$

8. $6r-5t(s-6r)-s=6r-s-5t(s-6r)=-1(s-6r)-5t(s-6r)=(s-6r)(-1-5t)$

9. $3x+3y+xz+yz=3(x+y)+z(x+y)=(x+y)(3+z)$

10. $5x-25+xy-5y=5(x-5)+y(x-5)=(x-5)(5+y)$

11. $x^3+4x^2-4x-16=x^2(x+4)-4(x+4)=(x+4)(x^2-4)=(x+4)(x+4)(x-4)$

12. $x^3+x^2-x-1=x^2(x+1)-1(x+1)=(x+1)(x^2-1)=(x+1)(x+1)(x-1)$