

## Käytä muistikaavoja ja sievennä

$$(a+b)(a-b) = a^2 - b^2$$

$$(a+b)^2 = a^2 + 2ab + b^2$$

$$(a-b)^2 = a^2 - 2ab + b^2$$

1.  $(x-1)^2 =$

2.  $(z+2)(z-2) =$

3.  $(z-2)(z-2) =$

4.  $(3x+1)^2 =$

5.  $(1-2y)^2 =$

6.  $(1-2x)(1+2x) =$

7.  $(4+x)(x-4) =$

8.  $(12a-b)(12a+b) =$

9.  $(m+5n)^2 =$

10.  $(7x-y)^2 =$

11.  $(xy-z)^2 =$

12.  $(n^2+n)^2 =$

13.  $(x-\frac{1}{x})^2 =$

14.  $(-2x+7y^2)(7y^2+2x) =$

15.  $(-x^2+y^2)^2 =$

16.  $(-4a-b)^2 =$

17.  $1-(2-x)^2 - (2-x)(2+x) =$

18.  $(a-1\frac{1}{4})(a+1\frac{1}{4}) =$

19.  $(x^2+y)(x^2-y) =$

20.  $(a^3-b^2)^2 =$

21.  $(-1-2z)^2 - (1+2z)^2 =$

22.  $(-0,6-x)(-0,6+x) =$

$$\begin{aligned} & 0,36 - x^2 \\ & 0 \\ & a^6 - 2a^3b^2 + b^4 \\ & x^4 - y^2 \\ & a^2 - \frac{16}{25} \\ & 4x - 7 \\ & 16a^2 + 8ab + b^2 \\ & x^4 - 2x^2y^2 + y^4 \\ & 49y^4 - 4x^2 \\ & x^2 - 2 + \frac{x^2}{1} \\ & n^4 + 2n^3 + n^2 \\ & x^2y^2 - 2xyz + z^2 \\ & 49x^2 - 14xy + y^2 \\ & m^2 + 10mn + 25n^2 \\ & 144a^2 - b^2 \\ & x^2 - 16 \\ & 1 - 4x^2 \\ & 1 - 4y + 4y^2 \\ & 9x^2 + 6x + 1 \\ & z^2 - 4z + 4 \\ & z^2 - 4 \\ & x^2 - 2x + 1 \end{aligned}$$