

Multiplikation av parentesuttryck

Skriv uttrycket utan parentes

1 a) $3(x+2) = \underline{3x+6}$

b) $2(a-3) = \underline{2a-6}$

2 a) $6(2+5x) = \underline{12+30x}$

b) $8(2x-3) = \underline{16x-24}$

3 a) $x(x+5) = \underline{x^2+5x}$

b) $y(4-y) = \underline{4y-y^2}$

4 a) $a(8+2a) = \underline{8a+2a^2}$

b) $a(3a-5) = \underline{3a^2-5a}$

Fyll i det som saknas i rutorna.

5 a) $\boxed{4}(x-y) = 4x - 4y$

b) $5(x - \boxed{3}) = \boxed{5}x - 15$

6 a) $\boxed{3}a(\boxed{a} + b) = 3a^2 + \boxed{3ab}$

b) $\boxed{5a}(2 + a) = 10a + \boxed{5a^2}$

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7 a) $(x+2)(y+3) = \underline{xy+3x+2y+6}$

b) $(x+4)(y-5) = \underline{xy-5x+4y-20}$

8 a) $(2a+5)(a-2) = \underline{2a^2-4a+5a-10} = 2a^2+a-10$

b) $(3a-4)(2a-5) = \underline{6a^2-15a-8a+20} = 6a^2-23a+20$

9 a) $(3x+y)(2x-y) = \underline{6x^2-3xy+2xy-y^2} = 6x^2-xy-y^2$

b) $(4x-y)(5x-2y) = \underline{20x^2-8xy}$

10 Fyll i det som saknas i rutorna.

a) $(\boxed{a} + b)(2 + \boxed{b}) = 2a + ab + 2b + b^2$

b) $(\boxed{3}x + 2y)(x + \boxed{y}) = 3x^2 + \boxed{5}xy + 2y^2$

c) $(4a + \boxed{2b})(\boxed{a} - b) = 4a^2 - 2ab - 2b^2$

d) $(2x + \boxed{y})(\boxed{2x} - y) = 4x^2 - y^2$