

### Aufgabenblatt 3 'Ausmultiplizieren von 2 Klammern'

Beispiel:  $(a + b) \cdot (c + d) = ac + ad + bc + bd$

1.  $(a + b) \cdot (c + d) = \underline{\underline{ac + ad + bc + bd}}$

2.  $(a + b) \cdot (c - d) = \underline{\underline{ac - ad + bc - bd}}$

3.  $(a - b) \cdot (c + d) = \underline{\underline{ac + ad - bc - bd}}$

4.  $(a - b) \cdot (c - d) = \underline{\underline{ac - ad - bc \oplus bd}}$

5.  $(a + 2b) \cdot (c + 3d) = \underline{\underline{ac + 3ad + 2bc + 6bd}}$

6.  $(a + 2b) \cdot (c - 3d) = \underline{\underline{ac - 3ad + 2bc - 6bd}}$

7.  $(a - 2b) \cdot (c + 3d) = \underline{\underline{ac + 3ad - 2bc - 6bd}}$

8.  $(a - 2b) \cdot (c - 3d) = \underline{\underline{ac - 3ad - 2bc \oplus 6bd}}$

9.  $(a + 2b) \cdot (a + 3b) = a^2 + 3ab + 2ab + 6b^2 = \underline{\underline{a^2 + 5ab + 6b^2}}$

10.  $(a + 2b) \cdot (a - 3b) = a^2 - 3ab + 2ab - 6b^2 = \underline{\underline{a^2 - ab - 6b^2}}$

11.  $(a - 2b) \cdot (a + 3b) = a^2 + 3ab - 2ab - 6b^2 = \underline{\underline{a^2 + ab - 6b^2}}$

12.  $(a - 2b) \cdot (a - 3b) = a^2 - 3ab - 2ab \oplus 6b^2 = \underline{\underline{a^2 - 5ab + 6b^2}}$

13.  $(2a + 3b) \cdot (3a + 2b) = 6a^2 + 4ab + 9ab + 6b^2 = \underline{\underline{6a^2 + 13ab + 6b^2}}$

14.  $(2a + 3b) \cdot (3a - 2b) = 6a^2 - 4ab + 9ab - 6b^2 = \underline{\underline{6a^2 + 5ab - 6b^2}}$

15.  $(2a - 3b) \cdot (3a + 2b) = 6a^2 + 4ab - 9ab - 6b^2 = \underline{\underline{6a^2 - 5ab - 6b^2}}$

16.  $(2a - 3b) \cdot (3a - 2b) = 6a^2 - 4ab - 9ab \oplus 6b^2 = \underline{\underline{6a^2 - 13ab + 6b^2}}$