

## Aufgabengenerator – 3. binomische Formel

1.  $\left(\frac{3}{4}z + 8v\right) \left(\frac{3}{4}z - 8v\right) = \frac{9}{16}z^2 - 64v^2$
2.  $(1,5b + a) (1,5b - a) = 2,25b^2 - a^2$
3.  $\left(2,5z + \frac{1}{3}w\right) \left(2,5z - \frac{1}{3}w\right) = 6,25z^2 - \frac{1}{9}w^2$
4.  $(7w + 5x) (7w - 5x) = 49w^2 - 25x^2$
5.  $(1,5w + 1,5b) (1,5w - 1,5b) = 2,25w^2 - 2,25b^2$
6.  $(0,5y + 4x) (0,5y - 4x) = 0,25y^2 - 16x^2$
7.  $(1,5a + 2,5x) (1,5a - 2,5x) = 2,25a^2 - 6,25x^2$
8.  $(1,5a + 5x) (1,5a - 5x) = 2,25a^2 - 25x^2$
9.  $\left(\frac{2}{3}c + \frac{2}{3}y\right) \left(\frac{2}{3}c - \frac{2}{3}y\right) = \frac{4}{9}c^2 - \frac{4}{9}y^2$
10.  $(1,5c + 4w) (1,5c - 4w) = 2,25c^2 - 16w^2$