

# Klammern - 18 (Lösung)

Berechne:

$$\begin{aligned} \text{a) } & (8r + 3s)(5s + 10r) = \\ & 40rs + 80r^2 + 15s^2 + 30rs = \\ & \underline{70rs + 80r^2 + 15s^2} \end{aligned}$$

$$\begin{aligned} \text{b) } & (4x - 12y)(2x - 6y) = \\ & 8x^2 - 24xy - 24xy + 72y^2 = \\ & \underline{8x^2 - 48xy + 72y^2} \end{aligned}$$

$$\begin{aligned} \text{c) } & (16 - 15x)(5x + 10y) = \\ & \underline{80x + 160y - 75x^2 - 150xy} \end{aligned}$$

$$\begin{aligned} \text{d) } & (-4a - 5b)(-4b - 5) = \\ & \underline{16ab + 20a + 20b^2 + 25b} \end{aligned}$$

$$\begin{aligned} \text{e) } & (1,5x + 3,2)(4,8y - 12) = \\ & \underline{7,2xy - 18x + 15,36y - 38,4} \end{aligned}$$

$$\begin{aligned} \text{f) } & (6y - 3,5x)(2,4y + x) = \\ & 14,4y^2 + 6xy - 8,4xy - 3,5x^2 = \\ & \underline{14,4y^2 - 2,4xy - 3,5x^2} \end{aligned}$$

$$\begin{aligned} \text{g) } & (12a - 2,8b)(-0,2a + 10b) = \\ & -2,4a^2 + 120ab - 0,5ab - 28b^2 = \\ & \underline{-2,4a^2 + 119,5ab - 28b^2} \end{aligned}$$

$$\begin{aligned} \text{h) } & (-0,5r - 6,4s)(1,2u - 2,5v) = \\ & \underline{-0,6ru + 1,25rv - 7,68su + 16sv} \end{aligned}$$