

Aufgaben Oma

6.1 Vereinfache

$$\begin{aligned} \text{a) } 3x^2 + 2xx + x^2 \\ = 4x^2 + 2x = 6x^2 \frac{1}{2} \end{aligned}$$

$$\begin{aligned} \text{b) } 4y^3 - 2yyy - y^2y \\ = 3y^3 \end{aligned}$$

$$\begin{aligned} \text{c) } z^3 - 2zz - 5z^2 \\ = \overset{-4}{z^2} + 2zz = -2z^2 \end{aligned}$$

$$\begin{aligned} \text{d) } 4x^3 - 3xxx - x^2x \\ = 0x^3 \end{aligned}$$

$$\begin{aligned} \text{e) } 2y^2 + 2xy + 3yy - x^2 \\ = 5y^2 + x^2 \end{aligned}$$

$$\begin{aligned} \text{f) } x^3 - yy + x^2x + y^2 - xx^2 \\ = 2x^3 - 0y^2 - x^2 \end{aligned}$$

Da müssen wir noch einmal drüber sprechen!

2.1 Multipliziere

$$\begin{aligned} \text{a) } 3(x+4) \\ = 3x + 3 \cdot 4 \\ = 3x + 12 \checkmark \end{aligned}$$

$$\begin{aligned} \text{b) } -2(y-3) \\ = -2 \cdot y + 2 \cdot 3 \\ = -2y + 6 \checkmark \end{aligned}$$

$$\begin{aligned} \text{c) } 4(-2+a) \\ = 4 \cdot (-2) + 4a \\ = -8 + 4a \checkmark \end{aligned}$$

$$\begin{aligned} \text{d) } -3(-4 \cdot b) \\ = 3 \cdot (4) \cdot -3 \cdot b \\ 12 \cdot -3b \end{aligned}$$

$$\begin{aligned} \text{e) } 3(2x+4) \\ = 3 \cdot 2x + 3 \cdot 4 \\ = 5x^6 + 12 \checkmark \end{aligned}$$

$$\begin{aligned} \text{f) } -4(3y+2) \\ = -4 \cdot 3y + (-4) \cdot 2 \\ = -12y + (-8) \\ = -12y - 8 \checkmark \end{aligned}$$

3.1 Multipliziere

$$\begin{aligned} \text{a) } 4(x-3) \\ = 4 \cdot x - 4 \cdot 3 \\ = 4x - 12 \checkmark \end{aligned}$$

$$\begin{aligned} \text{b) } -3(y-5) \\ = -3 \cdot y + 3 \cdot 5 \\ = -3y + 15 \checkmark \end{aligned}$$

$$\begin{aligned} \text{c) } (a-4) \cdot 2 \\ = a \cdot 2 + 4 \cdot 2 \\ = 2a + 8 \end{aligned}$$

$$\begin{aligned} \text{d) } (b-6) \cdot (-3) \\ = b \cdot (-3) - 6 \cdot (-3) \\ = -3b + 18 \checkmark \end{aligned}$$

Das hat doch gut geklappt!