

Aufgabe 5

a) $x^2 \cdot x^8 = x^{2+8} = x^{10}$

b) $a^4 \cdot a = a^{4+1} = a^5$

c) $y^2 \cdot y^3 \cdot y = y^{2+3+1} = y^6$

d) $(5c) \cdot (2c)^3 = 5c \cdot 2^3 c^3 = 5c \cdot 8c^3 = 40c^{1+3} = 40c^4$

e) $(-2z^3) \cdot (-4z^5) = 8z^{3+5} = 8z^8$

f) $(4a^{10}) \cdot (-6a^4) \cdot a = -24a^{10+4+1} = -24a^{15}$

g) $(10x^3) \cdot (-x^6) \cdot (x^3) = -10x^{3+6+3} = -10x^{12}$

h) $-x^3 \cdot (-x)^4 = -x^{3+4} = -x^7$