

Aufgabe 1:

$$(-3mn) - (+mx)^3 + (-2ab)^3 - \frac{3^5 m^4 x^7}{n^{-3}} : \frac{x^5 n}{3^{-3} m^{-2} x^{-2}} =$$

$$(-3mn) - (+mx)^3 + (-2ab)^3 - \frac{3^5 m^4 x^7}{n^{-3}} * \frac{3^{-3} m^{-2} x^{-2}}{x^5 n} =$$

$$(-3mn) - (+mx)^3 + (-2ab)^3 - \frac{3^2 m^2 x^5}{n^{-2} x^5} =$$

$$-3mn - m^3 x^3 - 8a^3 b^3 - \frac{3^2 m^2}{n^{-2}} =$$

$$-3mn - m^3 x^3 - 8a^3 b^3 - 3^2 m^2 n^2 =$$

$$-9m^2 n^2 - 3mn - m^3 x^3 - 8a^3 b^3$$