

Ausklammern von Faktoren – Lösung

Lösungen

- a) $1,5a + 3a^2 = 1,5a(1 + 2a)$
- b) $3ab + 15a^2b^2 = 3ab(1 + 5ab)$
- c) $3x^3 + 5,1x^2 + 21x = 3x(x^2 + 1,7x + 7)$
- d) $\frac{1}{2}u^2v^3 + \frac{1}{8}u^3v^2 = \frac{1}{2}u^2v^2(v + \frac{1}{4}u)$
- e) $x^2 + \frac{1}{3}x^3 + \frac{1}{4}x^4 = x^2(1 + \frac{1}{3}x + \frac{1}{4}x^2)$
- f) $0,375s^5t^4 + \frac{3}{4}s^2t^3 + \frac{1}{8}s^2t^2 = \frac{1}{8}s^2t^2(3s^3t^2 + 6t + 1)$
- g) $0,65u^3s^5 + 1,3s^2u^3 + 0,26u^3s^3 = 0,13s^2u^3(5s^3 + 10 + 2s)$
- h) $\frac{1}{2}x^2y^2 + \frac{1}{2}x^2y + \frac{1}{4}xy^2 + xy = \frac{1}{2}xy(xy + x + \frac{1}{2}y + 2)$
- i) $\frac{1}{3}r^6w^7 + \frac{5}{12}r^5w^3 + \frac{1}{3}w^3 + w^4 = \frac{1}{3}w^3(r^6w^4 + \frac{5}{4}r^5 + 1 + 3w)$