

Abgabe: 25.1.2011

Name:

1	Bitte berechnen Sie a) $(-4i - 1)(-9i + 7)(-7i + 12)$ b) $(6j - 7)(2f - 3n)$ c) $(-m - 5)(5h - 13n)(-3z + 8m)$ d) $(-3j - 2r)(8e - 1)$ e) $(4t - 5)(2b - 7m)$ f) $(-14,6p + 13,7x)(9,2s + 1,2)$ g) $(-4,3i - 12,8)(4,1i - 14,5)$ h) $(-2,4i + 4,4)(4,2i + 5,1)$ i) $(14,1e - 12,8)(6,7e - 2,4)$ j) $(4,5r - 14,8t)(-9,5r - 8)$
2	Bitte berechnen Sie a) $\frac{\left(\frac{-2}{5} + \frac{9}{8}\right) * \frac{-1}{-3}}{\left(\frac{5}{-6} + \frac{-1}{-9}\right) * \frac{9}{5}}$ b) $\frac{\left(-\frac{5}{-4} - \frac{1}{4}\right) * \left(\frac{1}{-6} - \frac{-2}{5}\right)}{\left(-\frac{9}{8} + \frac{1}{-2}\right) * \left(-\frac{1}{-6} + \frac{3}{4}\right)}$ c) $\frac{\frac{-4}{5} * \frac{-10}{7} * \frac{-9}{7} * \frac{-10}{-7}}{\frac{3}{5} * \frac{9}{-5} * \frac{-8}{-7} * \frac{-3}{7}}$ d) $\frac{\left(-\frac{1}{7} - \frac{7}{5} + \frac{-8}{7}\right) * \frac{3}{-2}}{\left(-\frac{1}{-3} + \frac{-5}{3} - \frac{5}{4}\right) * \frac{4}{5}}$ e) $\frac{\left(\frac{-2}{3} - \frac{5}{4} - \frac{-4}{-9}\right) * \left(\frac{9}{10} - \frac{6}{7} - \frac{1}{2}\right)}{\left(\frac{-1}{4} + \frac{-5}{-4} - \frac{5}{2}\right) * \left(-\frac{7}{-5} - \frac{-8}{3} - \frac{-2}{-3}\right)}$
3	Bitte berechnen Sie a) $\frac{9t+5}{a-1} + \frac{b-6r}{z+v}$ b) $\frac{13k-15}{k+1} - \frac{-6t-a}{15j+8}$