

Abgabe: 8.7.2010

Name:

<p><b>1</b></p>	<p>Bitte kürzen Sie soweit wie möglich</p> <p>a) <math display="block">\frac{60d^2oz^4 + 48d^2i^2w^2z^3 - 72b^2d^2p^2z^2}{36d^2r^2z^2 + 60d^2o^2z^2 - 120d^2m^2sz^2}</math></p> <p>b) <math display="block">\frac{8e^2ou^2v^2 - 2e^2qv}{6e^2ho^2w + 4e^2z}</math></p> <p>c) <math display="block">\frac{-132g^2iq - 24j^2oq - 96quz^2}{12d^2m^2nq - 12q}</math></p> <p>d) <math display="block">\frac{14a^2oswy^2 + 77a^2orw - 28a^2ow}{-49a^2ov^2w + 21a^2c^2jovw + 63a^2ors^2w}</math></p> <p>e) <math display="block">\frac{10b^2n^2t^2 + 60at^2yz^2 + 50t^2}{110ce^2t^2 - 10t^4z + 80t^2}</math></p> <p>f) <math display="block">\frac{56aknu - 24ad - 72a}{8ac^2oq^2 + 96ac^2 + 24a}</math></p> <p>g) <math display="block">\frac{-4ade^2r^2 - 6a}{-16ajp^2 + 2aem + 12ajm^2o}</math></p> <p>h) <math display="block">\frac{4mq^2z - 4dq^2z^2}{-4k^2q^3v^2z + 8mo^2q^2uz - 8q^2z}</math></p>
<p><b>2</b></p>	<p>Bitte berechnen Sie</p> <p>a) <math display="block">\left(\frac{-6}{7} + \frac{7}{3}\right) * \left(\frac{7}{8} + \frac{7}{-10}\right)</math>  <math display="block">\left(-\frac{1}{-9} - \frac{1}{4}\right) * \left(\frac{-3}{-7} - \frac{1}{-6}\right)</math></p> <p>b) <math display="block">\left(-\frac{1}{-8} + \frac{-2}{5}\right) * \left(\frac{9}{5} + \frac{-9}{5}\right)</math>  <math display="block">\left(\frac{-7}{-3} - \frac{-7}{-6}\right) * \left(-\frac{7}{-4} + \frac{3}{-4}\right)</math></p> <p>c) <math display="block">\frac{\frac{4}{-3} * \frac{-9}{7} * \frac{9}{-10} * \frac{-7}{-9} * \frac{-8}{9} * \frac{-4}{9} * \frac{10}{-7} * \frac{-3}{10}}{\frac{-7}{-2} * \frac{7}{-6} * \frac{-6}{-5} * \frac{-7}{8} * \frac{2}{7} * \frac{-8}{3} * \frac{-5}{-6} * \frac{3}{10}}</math></p> <p>d) <math display="block">\left(\frac{-5}{2} + \frac{-9}{-10}\right) * \frac{-1}{-6}</math>  <math display="block">\left(\frac{1}{2} - \frac{6}{7}\right) * \frac{-1}{2}</math></p> <p>e) <math display="block">\frac{\frac{5}{4} * \frac{-4}{5} * \frac{-5}{3} * \frac{5}{-2} * \frac{-1}{-2} * \frac{7}{6}}{\frac{-4}{-7} * \frac{5}{-9} * \frac{-7}{-6} * \frac{5}{-3} * \frac{-9}{-2} * \frac{7}{3}}</math></p>
<p><b>3</b></p>	<p>Bitte berechnen Sie</p> <p>a) <math display="block">\frac{uw^2y + m + 3cuw^2}{-8de^2 + 5j^2 - 6ah^2q} - \frac{-u^2 - b^2co}{12d^2r^2 + 11}</math></p> <p>b) <math display="block">\frac{3d^2 + 1}{-6w^2 - 1} + \frac{-11e^2t - 4su}{-t^2 + 2r^2}</math></p> <p>c) <math display="block">\frac{10o^2 + 7}{-8gt - 11a^2g} - \frac{5r - 4m}{-b^2z^2 - 2n^2z^2}</math></p>