

Fehlerverzeichnis EM 1

März 2023

Seite, Zeile	falsch	richtig
11, 9. vo	(f) $\frac{1}{2} < \frac{2}{5} \iff \frac{1}{2} < \frac{3}{5}$ wahr, da $\frac{1}{2} < \frac{2}{5}$ und $\frac{1}{2} < \frac{3}{5}$ beide falsch sind.	
		(f) $\frac{1}{2} < \frac{2}{5} \iff \frac{1}{2} < \frac{3}{5}$ falsch, da $\frac{1}{2} < \frac{2}{5}$ falsch und $\frac{1}{2} < \frac{3}{5}$ wahr ist.
24, 3. vu	(a) $3a^2xy - 2bxy + 6a^2x^2 = \underline{x(3a^2y - 2by + 6a^2x)}$	(a) $3a^2xy - 2bxy + 6ax^2y^2 = \underline{xy(3a^2 - 2b + 6axy)}$
25, 5. vo	$21x^2a^2b - 63xa^2 + 49xab = 7(3x^2a^2b - 9xa^2 - 7xab)$	$\dots = 7(3x^2a^2b - 9xa^2 + 7xab)$
29, 1. vo	(e) $\dots 2^3 + 3^4 + 2^5 + \dots$	(e) $\dots 2^3 + 2^4 + 2^5 + \dots$
36, 5. vu	<u>Nullstellen $-5, 0, 2,$</u>	<u>Nullstellen $-5, 0, 3,$</u>
55, 6. vo	3.31 $1 + q + q^2 + q^3 + \dots + q^n = \sum_{k=1}^n q^k =$	3.31 $1 + q + q^2 + q^3 + \dots + q^n = \sum_{k=0}^n q^k =$
65, 10. vo	(7) $\dots = \frac{63ac}{10b}$	$\dots = \frac{27ac}{10b}$
67, 6. vo	$0.025\% = \frac{0.025}{100} = \frac{25}{10000} = \frac{1}{400}$	$0.025\% = \frac{0.025}{100} = \frac{25}{100000} = \frac{1}{4000}$
72, 12. vo	(a) Es ist $0.0\overline{12} = \frac{4}{555},$	(a) Es ist $0.00\overline{72} = \frac{4}{555},$
72, 2. vu	$\dots \frac{121}{891},$	$\dots \frac{112}{891},$
74, 13. vo	$2.03\overline{8}, \quad -31.0\overline{10}, \quad 0.0\overline{131}.$	$2.03\overline{8}, \quad -31.0\overline{10}, \quad 0.03\overline{131}.$
84, 10. vu	$= \frac{\frac{1}{34} \cdot \frac{1}{5} \cdot \frac{1}{12}}{\frac{1}{212}}$	$= \frac{7}{212} \cdot \frac{1}{34} \cdot \frac{1}{5} \cdot \frac{1}{12}$
95, 9. vu	(f) $\frac{60 + \sqrt{48}}{\sqrt{6}}$	(f) $\frac{\sqrt{60 + \sqrt{48}}}{\sqrt{6}}$
98, 4. vo	(f) $\frac{60 + \sqrt{48}}{\sqrt{6}} =$	(f) $\frac{\sqrt{60 + \sqrt{48}}}{\sqrt{6}} =$
109, 2. vo	$= 4u^2 + 9v^2 + 16w^2 + 25x^2 + 2(-6u - 8uw + 10ux + 12vw - 15vx - 20wx)$	$= 4u^2 + 9v^2 + 16w^2 + 25x^2 + 2(-6uv - 8uw + 10ux + 12vw - 15vx - 20wx)$
174, 4. vu	(e) $\frac{2x+1}{3} - \frac{x+2}{5} = \frac{1}{3}$	(e) $\frac{2x+1}{3} - \frac{x-2}{5} = \frac{1}{3}$
175, 1., 2. vu	$\iff -259x = -8$ $\iff x = \frac{8}{259}.$	$\iff -263x = -8$ $\iff x = \frac{8}{263}.$
189, 4. vo	[Seite 12]	[Seite 192]
189, 8. vu	wird durch die höchste Potenz von $a_m x^m$	wird durch die höchste Potenz von $b_m x^m$

Seite, Zeile	falsch	richtig																																
191, 6. vo	nur Teiler von -1 , also $\pm 1, \pm 3$ sein.	nur Teiler von -3 , also $\pm 1, \pm 3$ sein.																																
193, 1,3,6.15. vu	$x^4 - 4x^3 + 2x^2 + x =$	$x^4 - 4x^3 + 2x^2 + 4x =$																																
218, 13. vu	Für die Matrix $A = \begin{pmatrix} -1 & 1 \\ 2 & 1 \end{pmatrix}$	Für die Matrix $A = \begin{pmatrix} 1 & -1 \\ 2 & 1 \end{pmatrix}$																																
221, 11. vo	$3 \cdot 2 + 0 \cdot 4 + 4 \cdot 1 = 7$ ME von R_3 .	$3 \cdot 2 + 0 \cdot 4 + 1 \cdot 1 = 7$ ME von R_3 .																																
221, 9. vo	$1 \cdot 2 + 3 \cdot 4 + 4 \cdot 1 = 12$ ME von R_1	$1 \cdot 2 + 3 \cdot 4 + 4 \cdot 1 = 18$ ME von R_1																																
221, 14. vo	$= \begin{pmatrix} 12 & 14 \\ 18 & 13 \\ 7 & 11 \end{pmatrix}$, als Tabelle	$= \begin{pmatrix} 18 & 14 \\ 18 & 13 \\ 7 & 11 \end{pmatrix}$, als Tabelle																																
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226, 8. vo	<table border="1" style="display: inline-table; vertical-align: middle;"> <thead> <tr> <th>x</th> <th>y</th> <th></th> <th>Regie</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>3</td> <td>8</td> <td>7</td> </tr> <tr> <td>7</td> <td>-4</td> <td>1</td> <td>-2</td> </tr> <tr> <td>0</td> <td>29</td> <td>58</td> <td></td> </tr> </tbody> </table>	x	y		Regie	2	3	8	7	7	-4	1	-2	0	29	58		<table border="1" style="display: inline-table; vertical-align: middle;"> <thead> <tr> <th>x</th> <th>y</th> <th></th> <th>Regie</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>3</td> <td>8</td> <td>7</td> </tr> <tr> <td>7</td> <td>-4</td> <td>-1</td> <td>-2</td> </tr> <tr> <td>0</td> <td>29</td> <td>58</td> <td></td> </tr> </tbody> </table>	x	y		Regie	2	3	8	7	7	-4	-1	-2	0	29	58	
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238, 6. vo	$y = -3x + 1$	$y = -3x - 1$																																
242, 6. vo	$y = \frac{1}{2}(+z)$	$y = \frac{1}{2}(x + z)$																																
252, 18. vo	$x_1 = 3, x_3 = -1.$	$x_1 = 3, x_2 = -1.$																																
305, 11. vo	, also $\vec{c} = 2\vec{a} - \vec{b}.$, also $\vec{c} = 2\vec{b} - \vec{a}.$																																

Außerdem leider einige Schreibfehler!