

18. $\frac{x(a+2x)}{x^2-a^2}$. 19. 0. 20. $\frac{a+b}{b}$.
 21. $\frac{2(ax-my+xy)}{x^2-y^2}$. 22. $\frac{a^2+b^2+c^2}{abc}$.
 23. 0. 24. $\frac{4x^3}{x^2-1}$. 25. 0. 26. $\frac{-2ax}{x^2-a^2}$.
 27. $\frac{2xy}{x^2+y^2}$. 28. $\frac{-(a-y)^2+x^2}{2ay}$. 29. $\frac{3a^2+b^2}{(a^2-b^2)^2}$.
 30. $\frac{(a+b)^2}{4ab}$.
107. 1. $y\left(\frac{1}{c}-\frac{1}{a}-\frac{1}{b}\right)$. 2. $u+\frac{pu}{n}+\frac{pv}{n}$.
 3. $(q+r)\left(\frac{1}{a}+\frac{1}{c}\right)$. 4. $\frac{x-4y}{2m}-\frac{b(y+3x)}{2am}$.
108. 1. $ab+y$. 12. $\frac{m^4}{m^2-n^2}$. 13. $ab+x^2-x\left(\frac{b^2}{a}+\frac{a^2}{b}\right)$.
 14. $b\left(\frac{a}{x}-1\right)$. 16. $\frac{a}{a^2-b^2}$. 19. $\frac{2a+3m}{a^{2n}-b^{2n}}$.
110. 1. $\frac{y+x}{y-x}$. 2. $\frac{ax+b}{ax-b}$. 3. $\frac{(a-x)^2}{(a+x)^2}$. 4. $\frac{ak}{dn}$. 5. n .
 6. $\frac{1+x^2}{2x}$. 7. $\frac{n(am^2+b)}{m(an^2-b)}$. 8. $\frac{2xy-3}{y(a+b-x)}$.
 9. $\frac{(a+b)^2}{2(a^2+2ab-b^2)}$. 10. 1. 11. $\frac{a^2(a^2+2)+1}{a(1+a^2)}$.
 12. $\frac{a^3+b^3}{b^2(a^2-a+b)}$. 13. 1.
 14. $\frac{(x^2+y^2)(x-y)^2+(x+y)(x^2+y^2)}{(x+y)^2(x^2+y^2)-(x^2+y^2)}$.
111. 1. $\frac{b^2}{a-b}$. 4. $\frac{a^2+b^2}{a}$. 5. $x+1$. 6. $\frac{am(an+bm)}{bn(bm-an)}$.
123. 1. $x-27=0$. 2. $7x-5x=2450$. 3. $6x+4x-3x=60$.
 4. $x^2+ax=ab$. 5. $abx+ab^2y+7a^2b=c$.
 6. $5(4a+3b)=12x$. 7. $x^2-a^2=2ax$.
 8. $x+b=2x-2a$. 9. $x+a=x^2+2ax$.
 10. $x^2+3x-10=x^2-3x-10$. 11. $bx^2-by^2=axy$.
 12. $x^3-5a^2x=0$. 13. $x-y=az-bz$.
 14. $2x^2-ax-bx=a^2-ab$.