

$$13. \frac{\left(\frac{x}{y} + \frac{y}{x} - 1\right) \left(\frac{x}{y} + \frac{y}{x} + 1\right) (x^2 - y^2)}{\frac{x^4 - y^4}{y^2 - x^2}}$$

$$[1; x \neq 0, y \neq 0, x \neq \pm y]$$

$$14. \left(\frac{x^{-1}}{1+x^{-1}} + \frac{1-x^{-1}}{x^{-1}}\right) : \left(\frac{x^{-1}}{1+x^{-1}} - \frac{1-x^{-1}}{x^{-1}}\right)$$

$$\left[\frac{x^2}{2-x^2}; x \neq 0, -1, \pm\sqrt{2}\right]$$

$$15. \left[\frac{p^2 - q^2}{pq} - \frac{1}{p+q} \cdot \left(\frac{p^2}{q} - \frac{q^2}{p}\right)\right] : \frac{p-q}{p}$$

$$\left[\frac{p}{p+q}; p \neq 0, q \neq 0, p \neq \pm q\right]$$

$$16. \left[\left(\frac{x}{y} - \frac{y}{x}\right) : (x+y) + x\left(\frac{1}{y} - \frac{1}{x}\right)\right] : \frac{1+x}{y}$$

$$\left[\frac{x-y}{x}; x \neq 0, y \neq 0, x \neq -1, x \neq -y\right]$$

$$17. \frac{2b(a-1)}{(a-2)(b^2-1)} - \frac{a+b}{ab+a-2b-2} - \frac{a-b}{ab-a-2b+2}$$

$$[0; a \neq 2, b \neq \pm 1]$$

$$18. 2u - \left(\frac{2u-3}{u+1} - \frac{u+1}{2-2u} - \frac{u^2+3}{2u^2-2}\right) \cdot \frac{u^3+1}{u^2-u}$$

$$\left[\frac{2(u-1)}{u}; u \neq 0, u \neq \pm 1\right]$$

$$19. \frac{a^4 - b^4}{a^2 b^2} : \left[\left(1 + \frac{b^2}{a^2}\right) \cdot \left(1 - \frac{2a}{b} + \frac{a^2}{b^2}\right)\right]$$

$$\left[\frac{a+b}{a-b}; a \neq 0, b \neq 0, a \neq b\right]$$