

$$26. \frac{x^3 + y^3}{x + y} : (x^2 - y^2) + \frac{2y}{x + y} - \frac{xy}{x^2 - y^2} \quad [1; x \neq \pm y]$$

$$27. \left( \frac{2}{a+2} - \frac{a+1}{a^2-9} - \frac{1}{a+3} \right) : \frac{a+7}{a^2-a-6}$$

$$[ -\frac{2}{a+3}; a \neq -7, \pm 3, -2 ]$$

$$28. \left[ \frac{1}{(x+y)^2} \cdot \left( \frac{1}{x^2} + \frac{1}{y^2} \right) + \frac{2}{(x+y)^3} \cdot \left( \frac{1}{x} + \frac{1}{y} \right) \right] : \frac{y}{x^2}$$

$$[ \frac{1}{y^3}; x \neq 0, y \neq 0, x \neq -y ]$$

$$29. \left\{ \left[ \left( \frac{a+1}{a-1} \right)^2 + 3 \right] : \left[ \left( \frac{a-1}{a+1} \right)^2 + 3 \right] \right\} : \frac{a^3+1}{a^3-1} - \frac{2a}{a-1}$$

$$[ -1; a \neq \pm 1 ]$$

$$30. \left( \frac{pq^3}{(p+q)^{\frac{5}{2}}} - \frac{2pq^2}{(p+q)^{\frac{3}{2}}} + \frac{pq}{\sqrt{p+q}} \right) : \left( \frac{p^2}{(p+q)^{\frac{5}{2}}} - \frac{p^2q}{(p+q)^{\frac{7}{2}}} \right)$$

$$[ q(p+q); p > -q, p \neq 0 ]$$

$$31. \left( \sqrt{x} - \frac{1}{\sqrt{x}} \right) \cdot \left( \frac{\sqrt{x}+1}{\sqrt{x}-1} + 4\sqrt{x} - \frac{\sqrt{x}-1}{\sqrt{x}+1} \right)$$

$$[ 4x; x > 0, x \neq 1 ]$$

$$32. \frac{(\sqrt{x}+2) \left( \frac{2}{\sqrt{x}} - 1 \right) - (\sqrt{x}-2) \left( \frac{2}{\sqrt{x}} + 1 \right) - \frac{8}{\sqrt{x}}}{(2 - \sqrt{x+2}) : \left( \sqrt{\frac{2}{x}} + 1 - \frac{2}{\sqrt{x}} \right)}$$

$$[ 2; x > 0, x \neq 2 ]$$