

$$1. \quad \frac{r^2 x}{rx^2} =$$

$$2. \quad \frac{9x^3 y^3}{(3xy^2)^2} =$$

$$3. \quad \frac{a}{2x} + \frac{b}{4x} =$$

$$4. \quad \frac{10rs - 14rt}{20s - 28t} =$$

$$5. \quad \frac{z^2 - 1}{az + a} =$$

$$6. \quad \frac{r}{2s} + \frac{2r}{3s} - \frac{3r}{4s} =$$

$$7. \quad \frac{a-b}{3b} \cdot \frac{3a}{2a-2b} =$$

$$8. \quad \frac{20a^2 b}{4a^2 bc - 8a^2 b} =$$

$$9. \quad \frac{q-2}{p+q} \cdot \frac{2p+2q}{3q-6} =$$

$$10. \quad \frac{2x}{a-b} + \frac{x}{b-a} =$$

$$11. \quad \frac{5x^2 - 2x - 1}{x^2 y} - \frac{3x - 2}{xy} =$$

$$12. \quad \frac{15+15n}{n^2-1} \cdot \frac{n^3-n}{3n+3} =$$

$$13. \quad \frac{r+s}{r^2+2rs+s^2} =$$

$$14. \quad \frac{1}{1-v^2} + \frac{1}{v+1} =$$

$$15. \quad \frac{1}{3p-2} - \frac{4}{2+3p} - \frac{3p-5}{4-9p^2} =$$

$$16. \quad \frac{(r+1)^2}{r-1} \cdot \frac{(r-1)^2}{r+1} =$$

$$17. \quad \frac{a^2-ab}{ab+b^2} \cdot \frac{a^2+ab}{ab-b^2} =$$

$$18. \quad \frac{2x+2y}{3y-6} \cdot \frac{x+y}{y-2} =$$

$$19. \quad \frac{a^2-25}{a^2+10a+25} \cdot \frac{7a-35}{a^2+5a} =$$

$$20. \quad \left(\frac{3a+2}{a^2-1} + \frac{a-5}{a+1} \right) \cdot \frac{a}{a-1} =$$

$$21. \quad \frac{\frac{p+1}{5q}}{p^2+p} =$$

23.

$$1 - \frac{\frac{u-v}{u+v}}{1 + \frac{u+v}{u-v}} =$$

$$22. \quad \frac{\frac{u^2-v^2}{(u+v)^2}}{\frac{4u-4v}{3(u+v)}} =$$

24.

$$\left(\frac{c^2+d^2}{c} - 2d \right) : \left[\left(\frac{1}{d^2} - \frac{1}{c^2} \right) \cdot \frac{cd}{c+d} \right] =$$

25.

$$\left(\frac{2x}{x^2-4} + \frac{1}{2-x} \right) : \left(\frac{3x}{x+2} - 1 \right) =$$