

Answers:

$$1. \frac{(x+3)}{(x-2)(x+1)}$$

$$2. \frac{x^2+2x+6}{(x-1)(x+2)}$$

$$3. \frac{3-x}{(x-1)(x+1)^2}$$

$$4. \frac{x(x+y)}{y(x-y)}$$

$$5. -\frac{1}{a(a+h)}$$

$$6. \frac{1}{x^5y^7} \quad 7. \frac{2}{3} \quad 8. 3x^5 \quad 9. \frac{x^4y^8}{4} \quad 10. 12x^7 \quad 11. x^{\frac{5}{3}} \quad 12. -8\sqrt[3]{(x^2y)^2} \text{ or } -8(\sqrt[3]{x^2y})^2$$

$$13. 3x^{\frac{2}{5}} \quad 14. \frac{2}{3x^4y} \quad 15. -3m^2n^2\sqrt[5]{3m^2n^2} \quad 16. \frac{\sqrt{6}}{6xy^2} \quad 17. 2x^3y^6\sqrt[3]{2x} \quad 18. -2xy^2\sqrt[3]{2}$$

$$19. \frac{3\sqrt{xy}}{y} \quad 20. \frac{2\sqrt[3]{x^2y}}{xy} \quad 21. 3xy + x\sqrt[3]{3y^2} \quad 22. 4x - 12\sqrt{xy} + 9y \quad 23. 5y - 3x$$

$$24. \frac{x+2\sqrt{x}}{x-4} \quad 25. \frac{8x+2\sqrt{xy}-15y}{16x-25y} \quad 26a. 6 \quad 26b. \text{no solution}$$