

1.
$$\frac{x^2+10x+9}{x^2-4x-5} =$$

2.
$$\frac{3y^2-6y-9}{6y^2+18y+12} =$$

3.
$$\frac{x^2-y^2}{x^2-2xy+y^2} =$$

4.
$$\frac{4mx-20}{5-mx} =$$

5.
$$\frac{x^2-5x+6}{x^2+3x-10} =$$

6.
$$\frac{3a^2x+12a^2}{x^2+6x+8} =$$

7.
$$\frac{4ab+4a^2b}{b^2+b} =$$

8.
$$\frac{40xy-24x^2}{45y^2-27xy} =$$

9.
$$\frac{rs^2-r^2s}{7rs} =$$

10.
$$\frac{36x^2-120xy+100y^2}{12x^2-20xy} =$$

11.
$$\frac{4y^2-4yz-8z^2}{6y^2-18yz+12z^2} =$$

12.
$$\frac{r^2-rs}{r^2-s^2} =$$

13.
$$\frac{y^2-16}{y^2+8y+16} =$$

$$14. \frac{49x^2-25y^2}{15y-21x} =$$

$$15. \frac{x^2-6x-7}{49-x^2} =$$

$$16. \frac{4m^2-6m}{4m^2-12m+9} =$$

$$17. \frac{18y^2-32z^2}{56z-42y} =$$

$$18. \frac{s-rs}{r^2-1} =$$

$$19. \frac{a^2bx-ab^2y}{abc+abd} =$$

$$20. \frac{x^2-7x+12}{x^2-16} =$$

$$21. \frac{x^2+10x+25}{x^2+7x+10} =$$

$$22. \frac{y^2+9y+8}{2y+16} =$$

$$23. \frac{z^2+4z+3}{2z^2+12z+18} =$$

$$24. \frac{3z^2-27}{z^2-4z+3} =$$

$$25. \frac{2t^2-18}{3t^2+15t+18} =$$

$$26. \frac{2u^2+14u+20}{5u^2+30u+25} =$$

$$27. \frac{3x-3}{4-4x} =$$

$$28. \frac{3a+3b}{5b^2-5a^2} =$$

$$29. \frac{9+9a}{9-9a^2} =$$

$$30. \frac{5ax-25}{5-ax} =$$

$$31. \frac{x^2-x-2}{2z-zx} =$$

$$32. \frac{3bc-3ac}{4a-4b} =$$

$$33. \frac{18y^2-32z^2}{56z-42y} =$$

$$34. \frac{100-144x^2}{60x-50} =$$

$$35. \frac{24y^2-54z^2}{45z-30y} =$$

$$36. \frac{x+5}{x^2+2x-15} =$$

$$37. \frac{xy-4x}{y^2-7y+12} =$$

$$38. \frac{x^2+10x+9}{x^2-4x-5} =$$

$$39. \frac{x^6-y^6}{x^3+y^3} =$$

$$40. \frac{(x-y)^2}{y-x} =$$

$$41. \frac{k^2-14k+48}{k-8} =$$

$$42. \frac{x^4-4}{(x+1)(x-1)^2} =$$