

Key for Multiplication / Division of Rational Expressions

5. $\frac{x+2}{2}$
6. $\frac{x+3}{3}$
7. $\frac{x^2+8x+15}{5x}$
8. $\frac{x-8}{x-4}$
9. $\frac{x^2+6}{6x}$
10. 1
11. -1
12. $-\frac{x^2+2x-3}{x}$
13. $-\frac{x+7}{7}$
14. $-\frac{x^2+6x+5}{x^2}$
15. -1
16. $\frac{xy-x^2}{y^2+xy}$
17. $-\frac{x+1}{4+x}$
18. $-\frac{x+2}{x-2}$
19. $\frac{(x-5y)^2}{xy(x+5y)}$
20. $\frac{(x+2y)^2}{x^2y^2}$
21. $\frac{x+1}{x-1}$
22. $\frac{x+5}{x-6}$
23. $\frac{x-1}{x+4}$
24. $\frac{x^2-4x+4}{x^2-6x+9}$
25. $\frac{x+2}{x^2+9x}$
26. $\frac{x+5}{5-x}$
27. $\frac{x+5}{5-x}$
28. $x^2+16x+64$
29. x^2-1
30. x^2-4
31. x
32. 1
33. $\frac{1}{x+y}$
34. $\frac{x-4}{x^2-4ax}$
35. $\frac{x^2-x-6}{x-2}$
36. $\frac{x^2+7x+12}{x^2-2x+1}$
37. $\frac{x^2+6x+5}{x-5}$
38. x^2+3x+2
39. $\frac{x^2+10x+25}{x^2-14x+49}$
40. $\frac{a^2+16a+64}{a^2-20a+100}$
41. 1
42. -1
43. $\frac{(x+2)^2(x+3)}{(x-4)^3}$
44. $\frac{x^2-xy}{xy-y}$
45. $x^4-2x^2y^2+y^4$
46. $\frac{r^2+rx+x^2}{r^2-rx+x^2}$
47. $\frac{x-1}{x}$
48. $\frac{2x}{2x-1}$
49. $\frac{x^2+x}{x-2}$
50. $\frac{x^2-2x}{x+3}$
51. $-\frac{x+1}{(3+x)(x^2)}$
52. $\frac{x-y}{x}$
53. $\frac{1}{x}$
54. $\frac{2x-3}{2x-5}$
55. $\frac{x+3}{x-2}$
56. $\frac{x+2}{x+1}$
57. $\frac{y^2-x^2}{xy}$
58. $\frac{y^2-x^2}{x^2y^2}$
59. $\frac{x-1}{x+1}$
60. $\frac{2x-6}{x+2}$
61. $\frac{6}{x^2}$
62. $\frac{2xy}{y^2+x^2}$