

Simplify each rational expression. If the rational expression cannot be simplified, so state:

Random Seed: 508851

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|------------------------------------|------------------------------------|-----------------------|
| 1. $\frac{x^2+3x-40}{x-5}$ | 25. $\frac{x^2+2x-8}{x^2-3x-28}$ | 52. $\frac{x+7}{x}$ |
| 2. $\frac{x^2+7x+10}{x+2}$ | 26. $\frac{x^2+8x-9}{x^2-2x+1}$ | 53. $\frac{x+9}{x}$ |
| 3. $\frac{x^2-7x-18}{x+2}$ | 27. $\frac{x^2+x-2}{x^2-8x+7}$ | 54. $\frac{x+10}{x}$ |
| 4. $\frac{x^2-13x+42}{x-7}$ | 28. $\frac{x^2+13x+40}{x^2+9x+20}$ | 55. $\frac{x-5}{x}$ |
| 5. $\frac{x^2-9}{x+3}$ | 29. $\frac{x^2-11x+28}{x^2-2x-8}$ | 56. $\frac{x-9}{x}$ |
| 6. $\frac{x^2-3x-54}{x-9}$ | 30. $\frac{x^2-4x-12}{x^2-5x-14}$ | 57. $\frac{x+10}{x}$ |
| 7. $\frac{x^2-5x+6}{x-3}$ | 31. $\frac{x-11}{11}$ | 58. $\frac{x-7}{x}$ |
| 8. $\frac{x^2-64}{x-8}$ | 32. $\frac{x+2}{2}$ | 59. $\frac{x+11}{x}$ |
| 9. $\frac{x^2-9}{x+3}$ | 33. $\frac{x+26}{26}$ | 60. $\frac{x-7}{x}$ |
| 10. $\frac{x^2-11x+28}{x-7}$ | 34. $\frac{x-2}{2}$ | 61. $\frac{x^2+5}{5}$ |
| 11. $\frac{x^2+2x-3}{x+3}$ | 35. $\frac{x-13}{13}$ | 62. $\frac{x^2+3}{3}$ |
| 12. $\frac{x^2+11x+30}{x+5}$ | 36. $\frac{x+6}{6}$ | 63. $\frac{x^2+4}{4}$ |
| 13. $\frac{x^2-3x-54}{x+6}$ | 37. $\frac{x+11}{11}$ | 64. $\frac{x^2+6}{6}$ |
| 14. $\frac{x^2+8x+12}{x+6}$ | 38. $\frac{x+14}{14}$ | 65. $\frac{x^2+6}{6}$ |
| 15. $\frac{x^2-5x-6}{x+1}$ | 39. $\frac{x+22}{22}$ | 66. $\frac{x^2+9}{9}$ |
| 16. $\frac{x^2+8x+15}{x^2+2x-3}$ | 40. $\frac{x+29}{29}$ | 67. $\frac{x^2+6}{6}$ |
| 17. $\frac{x^2+3x-10}{x^2+6x+5}$ | 41. $\frac{x+10}{10}$ | 68. $\frac{x^2+7}{7}$ |
| 18. $\frac{x^2+4x+3}{x^2+9x+8}$ | 42. $\frac{x+11}{11}$ | 69. $\frac{x^2+8}{8}$ |
| 19. $\frac{x^2+15x+54}{x^2+3x-18}$ | 43. $\frac{x+22}{22}$ | 70. $\frac{x^2+4}{4}$ |
| 20. $\frac{x^2-x-20}{x^2-16}$ | 44. $\frac{x+6}{6}$ | 71. $\frac{x^2+3}{3}$ |
| 21. $\frac{x^2-9x+18}{x^2+2x-15}$ | 45. $\frac{x+13}{13}$ | 72. $\frac{x^2+2}{2}$ |
| 22. $\frac{x^2+2x-48}{x^2-8x+12}$ | 46. $\frac{x-10}{x}$ | 73. $\frac{x^2+8}{8}$ |
| 23. $\frac{x^2+6x-16}{x^2-8x+12}$ | 47. $\frac{x+11}{x}$ | 74. $\frac{x^2+4}{4}$ |
| 24. $\frac{x^2+x-2}{x^2-5x+4}$ | 48. $\frac{x-7}{x}$ | 75. $\frac{x^2+5}{5}$ |
| | 49. $\frac{x+6}{x}$ | |
| | 50. $\frac{x-8}{x}$ | |
| | 51. $\frac{x-4}{x}$ | |

1. $x + 8$
2. $x + 5$
3. $x - 9$
4. $x - 6$
5. $x - 3$
6. $x + 6$
7. $x - 2$
8. $x + 8$
9. $x - 3$
10. $x - 4$
11. $x - 1$
12. $x + 6$
13. $x - 9$
14. $x + 2$
15. $x - 6$
16. $\frac{x+5}{x-1}$
17. $\frac{x-2}{x+1}$
18. $\frac{x+3}{x+8}$
19. $\frac{x+9}{x-3}$
20. $\frac{x-5}{x-4}$
21. $\frac{x-6}{x+5}$
22. $\frac{x+8}{x-2}$
23. $\frac{x+8}{x-6}$
24. $\frac{x+2}{x-4}$
25. $\frac{x-2}{x-7}$

26. $\frac{x+9}{x-1}$
27. $\frac{x+2}{x-7}$
28. $\frac{x+8}{x+4}$
29. $\frac{x-7}{x+2}$
30. $\frac{x-6}{x-7}$
31. $\frac{x-11}{11}$
32. $\frac{x+2}{2}$
33. $\frac{x+26}{26}$
34. $\frac{x-2}{2}$
35. $\frac{x-13}{13}$
36. $\frac{x+6}{6}$
37. $\frac{x+11}{11}$
38. $\frac{x+14}{14}$
39. $\frac{x+22}{22}$
40. $\frac{x+29}{29}$
41. $\frac{x+10}{10}$
42. $\frac{x+11}{11}$
43. $\frac{x+22}{22}$
44. $\frac{x+6}{6}$
45. $\frac{x+13}{13}$
46. $\frac{x-10}{x}$
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73. $\frac{x^2+8}{8}$
74. $\frac{x^2+4}{4}$
75. $\frac{x^2+5}{5}$