

Factor the given trinomial.

Random Seed: 984438

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|---------------------------|--------------------------|-------------------------|
| 1. $x^2 - 7x - 18$ | 35. $-x^2 + 39x - 368$ | 69. $27x^3 + 125$ |
| 2. $x^2 - x - 72$ | 36. $10x^2 + 108x + 162$ | 70. $x^3 - 729$ |
| 3. $x^2 - 4x - 12$ | 37. $-21x^2 + 211x + 62$ | 71. $125x^3 - 216$ |
| 4. $x^2 + 12x + 11$ | 38. $2x^2 - x - 496$ | 72. $x^3 - 125$ |
| 5. $x^2 + 5x - 6$ | 39. $-15x^2 + 53x + 130$ | 73. $512x^3 + 216$ |
| 6. $x^2 + 7x - 60$ | 40. $-30x^2 - 8x + 182$ | 74. $512x^3 + 27$ |
| 7. $x^2 + 15x + 50$ | 41. $16x^2 - 100$ | 75. $343x^3 - 343$ |
| 8. $x^2 - x - 6$ | 42. $25x^2 - 1$ | 76. $27x^3 - 64$ |
| 9. $x^2 - 20x + 96$ | 43. $49x^2 - 16$ | 77. $512x^3 - 512$ |
| 10. $x^2 + 10x - 56$ | 44. $36x^2 - 16$ | 78. $512x^3 + 1$ |
| 11. $x^2 - 4x + 3$ | 45. $81x^2 - 25$ | 79. $216x^3 + 512$ |
| 12. $x^2 + x - 72$ | 46. $16x^2 - 100$ | 80. $512x^3 - 512$ |
| 13. $x^2 - 8x - 20$ | 47. $16x^2 - 49$ | 81. $4x^2 - 32x + 64$ |
| 14. $x^2 + 9x - 10$ | 48. $81x^2 - 36$ | 82. $4x^2 + 12x + 9$ |
| 15. $x^2 - 9x - 52$ | 49. $x^2 - 64$ | 83. $25x^2 - 20x + 4$ |
| 16. $x^2 + 6x - 112$ | 50. $49x^2 - 64$ | 84. $49x^2 + 112x + 64$ |
| 17. $x^2 - 16x + 55$ | 51. $9x^2 - 16$ | 85. $36x^2 + 108x + 81$ |
| 18. $x^2 + 20x + 91$ | 52. $100x^2 - 49$ | 86. $x^2 + 2x + 1$ |
| 19. $x^2 + 4x - 12$ | 53. $49x^2 - 36$ | 87. $25x^2 - 10x + 1$ |
| 20. $x^2 + 11x + 18$ | 54. $121x^2 - 49$ | 88. $81x^2 - 126x + 49$ |
| 21. $18x^2 - 141x - 544$ | 55. $81x^2 - 64$ | 89. $9x^2 + 30x + 25$ |
| 22. $8x^2 + 24x + 16$ | 56. $25x^2 - 25$ | 90. $x^2 - 16x + 64$ |
| 23. $2x^2 - 36x - 80$ | 57. $121x^2 - 9$ | 91. $4x^2 - 28x + 49$ |
| 24. $12x^2 - 62x - 154$ | 58. $x^2 - 1$ | 92. $49x^2 + 42x + 9$ |
| 25. $36x^2 + 120x + 100$ | 59. $9x^2 - 49$ | 93. $64x^2 + 80x + 25$ |
| 26. $-x^2 - 8x + 345$ | 60. $25x^2 - 4$ | 94. $25x^2 + 80x + 64$ |
| 27. $-35x^2 + 186x - 99$ | 61. $125x^3 + 27$ | 95. $25x^2 + 60x + 36$ |
| 28. $-18x^2 - 102x - 84$ | 62. $512x^3 + 125$ | 96. $x^2 - 18x + 81$ |
| 29. $25x^2 - 155x + 58$ | 63. $x^3 + 64$ | 97. $4x^2 + 32x + 64$ |
| 30. $-14x^2 - 14x + 280$ | 64. $729x^3 - 1$ | 98. $81x^2 - 126x + 49$ |
| 31. $-16x^2 - 144x - 315$ | 65. $64x^3 - 27$ | 99. $9x^2 + 42x + 49$ |
| 32. $14x^2 + 26x - 348$ | 66. $512x^3 + 216$ | 100. $x^2 - 12x + 36$ |
| 33. $-30x^2 - 125x + 330$ | 67. $8x^3 + 729$ | |
| 34. $-6x^2 - 98x - 400$ | 68. $729x^3 - 64$ | |

1. $(x+2)(x-9)$
2. $(x+8)(x-9)$
3. $(x+2)(x-6)$
4. $(x+11)(x+1)$
5. $(x+6)(x-1)$
6. $(x+12)(x-5)$
7. $(x+10)(x+5)$
8. $(x+2)(x-3)$
9. $(x-8)(x-12)$
10. $(x+14)(x-4)$
11. $(x-1)(x-3)$
12. $(x+9)(x-8)$
13. $(x+2)(x-10)$
14. $(x+10)(x-1)$
15. $(x+4)(x-13)$
16. $(x+14)(x-8)$
17. $(x-5)(x-11)$
18. $(x+13)(x+7)$
19. $(x+6)(x-2)$
20. $(x+9)(x+2)$
21. $(6x+17)(3x-32)$
22. $8(x+2)(x+1)$
23. $2(x+2)(x-20)$
24. $2(6x+11)(x-7)$
25. $4(3x+5)^2$
26. $-(x+23)(x-15)$
27. $-(7x-33)(5x-3)$
28. $-6(3x+14)(x+1)$
29. $(5x-2)(5x-29)$
30. $-14(x+5)(x-4)$
31. $-(4x+21)(4x+15)$
32. $2(7x-29)(x+6)$
33. $-5(6x-11)(x+6)$
34. $-2(3x+25)(x+8)$
35. $-(x-16)(x-23)$
36. $2(5x+9)(x+9)$
37. $-(7x+2)(3x-31)$
38. $(2x+31)(x-16)$
39. $-(5x-26)(3x+5)$
40. $-2(5x+13)(3x-7)$
41. $4(2x+5)(2x-5)$
42. $(5x+1)(5x-1)$
43. $(7x+4)(7x-4)$
44. $4(3x+2)(3x-2)$
45. $(9x+5)(9x-5)$
46. $4(2x+5)(2x-5)$
47. $(4x+7)(4x-7)$
48. $9(3x+2)(3x-2)$
49. $(x+8)(x-8)$
50. $(7x+8)(7x-8)$
51. $(3x+4)(3x-4)$
52. $(10x+7)(10x-7)$
53. $(7x+6)(7x-6)$
54. $(11x+7)(11x-7)$
55. $(9x+8)(9x-8)$
56. $25(x+1)(x-1)$
57. $(11x+3)(11x-3)$
58. $(x+1)(x-1)$
59. $(3x+7)(3x-7)$
60. $(5x+2)(5x-2)$
61. $(25x^2-15x+9)(5x+3)$
62. $(64x^2-40x+25)(8x+5)$
63. $(x^2-4x+16)(x+4)$
64. $(81x^2+9x+1)(9x-1)$
65. $(16x^2+12x+9)(4x-3)$
66. $8(16x^2-12x+9)(4x+3)$
67. $(4x^2-18x+81)(2x+9)$
68. $(81x^2+36x+16)(9x-4)$
69. $(9x^2-15x+25)(3x+5)$
70. $(x^2+9x+81)(x-9)$
71. $(25x^2+30x+36)(5x-6)$
72. $(x^2+5x+25)(x-5)$
73. $8(16x^2-12x+9)(4x+3)$
74. $(64x^2-24x+9)(8x+3)$
75. $343(x^2+x+1)(x-1)$
76. $(9x^2+12x+16)(3x-4)$
77. $512(x^2+x+1)(x-1)$
78. $(64x^2-8x+1)(8x+1)$
79. $8(9x^2-12x+16)(3x+4)$
80. $512(x^2+x+1)(x-1)$
81. $4(x-4)^2$
82. $(2x+3)^2$
83. $(5x-2)^2$
84. $(7x+8)^2$
85. $9(2x+3)^2$
86. $(x+1)^2$
87. $(5x-1)^2$
88. $(9x-7)^2$
89. $(3x+5)^2$
90. $(x-8)^2$
91. $(2x-7)^2$
92. $(7x+3)^2$
93. $(8x+5)^2$
94. $(5x+8)^2$
95. $(5x+6)^2$
96. $(x-9)^2$
97. $4(x+4)^2$
98. $(9x-7)^2$
99. $(3x+7)^2$
100. $(x-6)^2$