Rewrite using radical notation and simplify if possible:
Random Seed: 903690

1. $49^{\frac{3}{2}}$
2. $243^{\frac{3}{5}}$
3. $9^{\frac{1}{3}}$
4. $625^{\frac{1}{4}}$
5. $4^{\frac{1}{2}}$
6. $49^{\frac{1}{4}}$
7. $81^{\frac{2}{4}}$
8. $27^{\frac{1}{3}}$
9. $9^{\frac{2}{5}}$
10. $2401^{\frac{2}{4}}$
11. $32^{\frac{2}{5}}$
12. $16^{\frac{3}{4}}$
13. $9^{\frac{3}{2}}$
14. $49^{\frac{1}{2}}$
15. $27^{\frac{2}{3}}$
16. $4^{\frac{3}{5}}$
17. $81^{\frac{2}{4}}$
18. $8^{\frac{2}{3}}$
19. $343^{\frac{2}{3}}$
20. $16807^{\frac{1}{5}}$

Rewite with rational exponents:

21. $\sqrt[5]{13}$
22. $(\sqrt[3]{4})^2$
23. $(\sqrt[3]{5})^2$
24. $(\sqrt[4]{8})^2$
25. $(\sqrt[5]{2})^3$
26. $(\sqrt[3]{10})^2$
27. $\sqrt{6}$
28. $(\sqrt{14})^3$
29. $(\sqrt[4]{8})^3$
30. $(\sqrt[5]{12})^2$
31. $(\sqrt[4]{12})^2$
32. $(\sqrt[5]{13})^2$
33. $\sqrt[3]{9}$
34. $(\sqrt[4]{9})^2$
35. $\sqrt[4]{10}$
36. $\sqrt{4}$
37. $\sqrt[4]{3}$
38. $\sqrt[3]{2}$
39. $(\sqrt[5]{13})^3$
40. $(\sqrt{7})^3$

Rewite with a positive rational exponent and simplify if possible:

41. $256^{-\frac{3}{4}}$
42. $81^{-\frac{3}{4}}$
43. $256^{-\frac{1}{4}}$
44. $4^{-\frac{1}{2}}$
45. $16^{-\frac{3}{4}}$
46. $81^{-\frac{2}{4}}$
47. $8^{-\frac{2}{3}}$
48. $27^{-\frac{2}{3}}$
49. $16^{-\frac{3}{2}}$
50. $1024^{-\frac{2}{5}}$
51. $81^{-\frac{1}{4}}$
52. $243^{-\frac{3}{5}}$
53. $81^{-\frac{1}{4}}$
54. $1024^{-\frac{1}{5}}$
55. $16^{-\frac{3}{2}}$
56. $81^{-\frac{2}{4}}$
57. $4^{-\frac{1}{2}}$
58. $16^{-\frac{3}{4}}$
59. $256^{-\frac{2}{4}}$
60. $4^{-\frac{1}{2}}$

1. $(\sqrt{49})^3 = 343$
2. $(\sqrt[5]{243})^3 = 27$
3. $\sqrt[3]{9} = 3$
4. $\sqrt[4]{625} = 5$
5. $\sqrt{4} = 2$
6. $\sqrt[4]{49} = 7$
7. $(\sqrt[4]{81})^2 = 9$
8. $\sqrt[3]{27} = 3$
9. $(\sqrt[5]{9})^2 = 9$
10. $(\sqrt[4]{2401})^2 = 49$
11. $(\sqrt[5]{32})^2 = 4$
12. $(\sqrt[4]{16})^3 = 8$
13. $(\sqrt{9})^3 = 27$
14. $\sqrt{49} = 7$
15. $(\sqrt[3]{27})^2 = 9$
16. $(\sqrt[5]{4})^3 = 8$
17. $(\sqrt[4]{81})^2 = 9$
18. $(\sqrt[3]{8})^2 = 4$
19. $(\sqrt[3]{343})^2 = 49$
20. $\sqrt[5]{16807} = 7$
21. $13^{\frac{1}{5}}$
22. $4^{\frac{2}{3}}$
23. $5^{\frac{2}{3}}$
24. $8^{\frac{1}{2}}$
25. $2^{\frac{3}{5}}$
26. $10^{\frac{2}{3}}$
27. $6^{\frac{1}{2}}$
28. $14^{\frac{3}{2}}$
29. $8^{\frac{3}{4}}$
30. $12^{\frac{2}{5}}$
31. $12^{\frac{1}{2}}$
32. $13^{\frac{2}{5}}$
33. $9^{\frac{1}{3}}$
34. $9^{\frac{1}{2}}$
35. $10^{\frac{1}{4}}$
36. $4^{\frac{1}{2}}$
37. $3^{\frac{1}{4}}$
38. $2^{\frac{1}{3}}$
39. $13^{\frac{3}{5}}$
40. $7^{\frac{3}{2}}$
41. $\frac{1}{64}$
42. $\frac{1}{27}$
43. $\frac{1}{4}$
44. $\frac{1}{2}$
45. $\frac{1}{8}$
46. $\frac{1}{9}$
47. $\frac{1}{4}$
48. $\frac{1}{9}$
49. $\frac{1}{64}$
50. $\frac{1}{16}$
51. $\frac{1}{3}$
52. $\frac{1}{27}$
53. $\frac{1}{3}$
54. $\frac{1}{4}$
55. $\frac{1}{64}$
56. $\frac{1}{9}$
57. $\frac{1}{2}$
58. $\frac{1}{8}$
59. $\frac{1}{16}$
60. $\frac{1}{2}$