Perfect Cubes

Evaluate the following:

1. $\sqrt[3]{8}$
2. $\sqrt[3]{27}$
3. $\sqrt[3]{1}$
4. $\sqrt[3]{125}$
5. $\sqrt[3]{64}$
6. $\sqrt[3]{216}$
7. $\sqrt[3]{1000}$
8. $\sqrt[3]{-8}$
9. $\sqrt[3]{-27}$
10. $\sqrt[3]{-64}$
11. $\sqrt[3]{-125}$
12. $\sqrt[3]{-1000}$
13. $-\sqrt[3]{-27}$
14. $-\sqrt[3]{-64}$
15. $-\sqrt[3]{-1}$
16. $-\sqrt[3]{-8}$
17. $\sqrt[3]{x^3}$
18. $\sqrt[3]{x^6}$
19. $\sqrt[3]{b^6}$
20. $\sqrt[3]{a^{12}}$
21. $\sqrt[3]{8x^3}$
22. $\sqrt[3]{27x^3}$
23. $\sqrt[3]{27x^6}$
24. $\sqrt[3]{125x^6}$
25. $\sqrt[3]{64x^{12}}$
26. $\sqrt[3]{64x^{24}}$
27. $\sqrt[3]{8a^3b^6}$
28. $\sqrt[3]{8a^9b^3}$
29. $\sqrt[3]{64x^3y^{12}}$
30. $\sqrt[3]{64x^6y^9}$
31. $\sqrt[3]{\frac{1}{8}}$
32. $\sqrt[3]{\frac{1}{27}}$

33. $\sqrt[3]{\frac{x^3}{27}}$

34. $\sqrt[3]{\frac{x^3}{64}}$

35. $\sqrt[3]{\frac{x^3y^6}{125}}$

36. $\sqrt[3]{\frac{x^6y^9}{216}}$

See Video Soutions for answers for the odds.