

Algebra 1

Topic 2 Review

Part 1 • Whole Number Exponents

For #1–5, simplify.

1. 2^3

2. 4^2

3. 1^8

4. 3^3

5. 10^4

Part 2 • Radicals

For #6–15, simplify.

6. $\sqrt{100}$

7. $\sqrt[3]{8}$

8. $\sqrt{4} + \sqrt{9}$

9. $\sqrt{25} - \sqrt{16}$

10. $\sqrt[3]{64}$

11. $\sqrt{81}$

12. $\sqrt[3]{1000}$

13. $\sqrt[3]{1}$

14. $\sqrt{9+16}$

15. $\sqrt[3]{125}$

Algebra 1

Topic 2 Review

Part 3 • Rational Exponents

For #16–25, simplify.

16. $9^{1/2}$

17. $8^{1/3}$

18. $100^{1/2}$

19. $49^{1/2}$

20. $27^{1/3}$

21. $64^{1/2}$

22. $16^{1/2}$

23. $1^{1/5}$

24. $25^{1/2}$

25. $1000^{1/3}$