

Lesson 8 Skills Practice

Roots

Find each square root or cube root.

1. $\sqrt{16}$

2. $-\sqrt{9}$

3. $\sqrt{36}$

4. $\sqrt[3]{2,744}$

5. $\sqrt[3]{1,331}$

6. $\sqrt[3]{729}$

7. $-\sqrt{0.04}$

8. $\sqrt{-289}$

9. $\pm\sqrt{0.81}$

10. $-\sqrt{400}$

11. $\sqrt{\frac{16}{49}}$

12. $\sqrt{\frac{49}{100}}$

ALGEBRA Solve each equation. Check your solution(s).

13. $s^2 = 81$

14. $t^2 = 36$

15. $x^2 = 49$

16. $256 = z^2$

17. $900 = y^2$

18. $1024 = h^2$

19. $c^2 = \frac{49}{64}$

20. $a^2 = \frac{25}{121}$

21. $\frac{1}{100} = d^2$

22. $\frac{144}{169} = r^2$

Find each cube root.

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

24. $\sqrt[3]{-512}$